

## 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.



### **Senior Traffic Design Transportation Engineer**

Region Preconstruction – Traffic Design

\$104,292 annually

#### **Job Overview**

The Senior Traffic Design Engineer will manage TDOT's traffic design program and provide support to Project Teams directly responsible for delivering projects for all phases of the Project Delivery Network (PDN) in accordance with the project's scope, budget, and risk. These projects will range in complexity and risk from simple to highly complex. The senior transportation engineer traffic design role requires collaboration with multiple TDOT divisions, project team members, consultants, contractors, and other 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.

The Senior Traffic Design Engineer ensures compliance with Department policies, technical guidance, and procedures related to TDOT's traffic design program, administers, and manages software and websites to ensure they are current and accurate for incorporation into the project delivery process. This position assists in implementing the Quality Assurance Program as part of the traffic design division's activities. This position helps support the Region with core traffic services such as traffic signals, signs, traffic markings, roadway lighting, along with other areas such as advanced transportation technologies, traffic modeling, traffic-related safety projects, and work zones.

#### **Essential Job Responsibilities**

Coordinate resources and assist Project Managers as the traffic design 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.

Integrate Quality Management into all traffic design products, systems, and deliverables.

Assist in the development and delivery of traffic design training and mentoring of TDOT and external engineering staff. Assist in the development of 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. Administer and manage TDOT's traffic design program and software.

Manage and take ownership of change, clarify your vision of TDOT's traffic design efforts, communicate effectively, remain transparent, and hold yourself accountable to develop, maintain, and grow TDOT's traffic design capabilities, data, software, and systems.

Serve on Project Teams as part of a matrix organization by providing traffic design expertise and reviews, assisting in developing proposal contract documents for project lettings, and contributing to bid reviews and bid analysis for alternative delivery projects.

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.

Remain current on traffic design related industry trends and national best practices by participating in AASHTO, industry associations, and other appropriate committees.

Routinely identify, document, and effectively collaborate with appropriate TDOT and external stakeholders 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. Develop and implement a tracking mechanism that ensures the traffic design program, software, and systems are evolving and meet all TDOT needs.

Assist in ensuring traffic design deliverables are consistent, predictable, and repeatable to provide consistently high levels of achievement, mitigation of risk, and an established track record of success.

### **Qualifications**

- Bachelor's degree in engineering
- Licensed Professional Engineer (PE)
- 6 years of demonstrated competency in developing and/or constructing transportation projects

### **Ideal Candidate**

The Traffic Design Engineer is a strong leader with a proven traffic engineering and design track record. They excel at fostering collaboration and ensuring the successful execution of simple and complex projects. The Traffic Design Engineer is committed to public safety in every aspect of their work. They are a strong communicator who can assist with bridging the gap between technical experts and stakeholders. The Traffic Design Engineer is an effective communicator committed to working with other team members in their growth and development. They readily share their expertise and passion with their team and keep an eye on the future from a transportation system and workforce perspective. As a mobility leader, they are passionate about ensuring the agency's projects increase safety and reduce congestion.