

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.



Statewide Standards Transportation Engineer
Engineering Division – Production Support Section
Nashville, TN
\$115,008 annually

Job Overview

The Statewide Standards Transportation Engineer will manage all aspects of TDOT's design standards and specifications along with all associated processes and systems. This position will 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 exceedingly complex. The Statewide Standards Transportation Engineer role requires collaboration with multiple TDOT Divisions, project team members, contractors, consultants, 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 Statewide Standards Transportation Engineer ensures Department design standards, specifications, and any corresponding technical guidance related to TDOT's pre-construction design and engineering production are current and accurate for incorporation into the project delivery process. This position assists in implementing the Quality Assurance Program as part of the State Engineering Division's activities. This position must effectively articulate technical concepts and information through training, mentoring, and collaborating as part of a matrix organization. This position provides technical assistance related to engineering standards and specifications throughout all project life-cycles to Project Teams, TDOT HQ Divisions, Region offices and external partners and stakeholders. This position will coordinate with Construction and Maintenance to improve infrastructure lifecycle performance through improved / innovative design processes. The Statewide Standards Transportation Engineer will work with the Project Management Division to make the required adjustments as necessary to ensure that the work completed is in alignment with the Department's Asset Management and Strategic goals.

Essential Job Responsibilities

Integrate Quality Management into the development and maintenance of TDOT's design standards and specifications.

Develop and deliver design standards, specifications, training to TDOT and external stakeholders. Serve as a mentor to staff and stakeholders. Assist in the development of training and technical guidance on all aspects related to TDOT's pre-construction design processes for the purpose of improving team performance, creating a stronger

understanding of the transportation industry, inspiring new ideas, and developing skills.

Manage and take ownership of change, clarify your vision of TDOT's design standards and specifications, communicate effectively, remain transparent, and hold yourself accountable to build, maintain, and grow TDOT's pre-construction efforts.

Serve on Project Teams as part of a matrix organization by providing technical expertise related to design standards, specifications, and processes; effectively coordinate and collaborate closely with other units within TDOT to mitigate and troubleshoot any contract or consultant issues related to design; proactively assess design related contract risk factors.

Provide exceptional SME customer service to internal TDOT offices and staff and contractors, consultants and other external customers. Exercise effective listening skills, provide prompt responses, maintain complete and accurate documentation, and communicate effectively.

Remain current on design related industry trends, innovations, standards, guidelines, and national best practices by participating in American Association of State Highway and Transportation Officials (AASHTO), industry association, and other appropriate committees.

Routinely identify, document, and effectively collaborate with all appropriate TDOT offices and external stakeholders on acquired knowledge that includes maximizing project successes, acknowledging national best practices, and avoiding past errors. Lead the modifications to all applicable design standards, specifications, and special provisions.

Assist in ensuring the incorporation of TDOT's design standards and specifications is 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 civil engineering
- Licensed Professional Engineer (PE)
- 12 years of demonstrated competency in developing and/or constructing transportation projects

Ideal Candidate

The Statewide Standards Transportation Engineer is an expert in designing standards and specifications. They are aware that collaboration is the key to developing and implementing successful standards and specifications. As a team player, the Statewide Standards Transportation Engineer combines their engineering expertise with their talent for using simple language to collaborate with their team, Regions, external partners, and stakeholders. They possess analytical skills that enable them to break down complex problems and develop strategic solutions. They analyze project requirements with meticulous attention to detail, ensuring innovative and improved design processes.