

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.



Forecasting and Visualization Manager

Planning Division – Forecasting and Visualization Section

Nashville, TN

\$110,004 annually

Job Overview

The Forecasting and Visualization Manager will lead, mentor, and train the Forecasting and Data Visualization Section Team Leads as well as the section Technical Coordinator through empowerment and communication. This position will develop work plans that align with TDOT's strategic vision and will effectively delegate authority and responsibility, when applicable, while ensuring the availability of resources for the Forecasting and Visualization Section to be successful.

This position will assist in the development of department policies, discipline-specific technical guidance, procedures, and manuals and assist the Forecasting and Visualization Section in producing deliverables and implementing the Quality Assurance Program as part of the Department's Work Program. The Forecasting and Visualization Manager will supervise technical staff and will develop performance plans, schedules, and budgets, ensuring expected outcomes, performance, and accountability of each team member. The Forecasting and Visualization Manager will research national best practices to drive innovation and efficiency within each technical unit as part of the Forecasting and Visualization Section.

Essential Job Responsibilities

Manage resources and staff utilization to allow the Forecasting and Visualization Section to perform their roles effectively and efficiently, optimizing the staff's abilities to successfully provide traffic system and project level data, provide technical support and analyses, and create and manage mapping, visualization, and analytics projects.

Manage the policy level direction for the Forecasting and Visualization Section as part of a matrix structure, creating policies, procedures, guidelines, and performance metrics that seek to manage, maintain, and improve forecasting and visualization data collection, maintenance, analysis, and reporting processes. Develop and manage the financial performance for the Forecasting and Visualization Section in alignment with TDOT financial processes to ensure transparency and accountability.

Establish and ensure that there is a direct relationship between quality and work outcomes by developing and implementing quality control and quality assurance processes for the Forecasting and Visualization Section with respect to the analysis of traffic models to and the administration of traffic data and reporting programs.

Manage change and conflict, clarify the vision, take ownership of the change, communicate effectively, remain transparent, lead by example, and hold yourself and others accountable throughout the process.

Manage external partners including providing leadership, guidance, and direction to the section for developing contract scopes of work, assisting in negotiating contracts, reviewing consultant invoicing, managing contract tasks, and completing consultant grading.

Lead the Forecasting and Visualization Section in providing exceptional customer service to both internal and external customers by exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Ensure the section remains current on national best practices as it relates to the Forecasting and Visualization programs; incorporate research, evaluations and the implementation of emerging technologies into the Forecasting and Visualization programs to improve efficiency, resiliency, effectiveness, reliability, sustainability, and the safety of Tennessee's transportation network; and integrate federal and state requirements into TDOT's guidance documents, processes, and procedures. Participate in peer exchanges with State and local governments and applicable industry partners for key insights and collaboration.

Assist in ensuring the Forecasting and Visualization Section 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
- 8 years of demonstrated competency demonstrated competency in State and Regional Transportation Planning, Geographic Information Systems, Statistics or Mathematics, Data or Computer Science, or a related field, that includes 2 years of demonstrated competency in supervision.

Ideal Candidate

The Forecasting and Visualization Manager is adept at solving problems and excels in communication. Their strong analytical skills enable them to dissect complex data, guiding informed decisions in developing travel demand models. They thrive in their role by leveraging analytical precision, leadership, teaching, and mentoring capabilities. Their clear communication ensures seamless dissemination of technical information to team members and stakeholders. Understanding the value of collaboration and communication, they drive towards achieving optimal outcomes through collective effort.