

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.



Data Visualization Senior Technical Specialist Planning Division – Data Visualization Section \$75,204 annually

Job Overview

The Data Visualization Senior Technical Specialist is a lead worker performing the most complex transportation planning analytics and duties. The Data Visualization Senior Technical Specialist will help enforce across the team the development and implementation of departmental policies, discipline-specific technical guidance, procedures, and manuals related to data visualization for incorporation into TDOT's programs and projects. This position will ensure the implementation of the quality assurance program to achieve program efficiency and effectiveness. The Senior Technical Specialist will not supervise technical staff directly but act as an analytical leader for the team and work with the Team Lead and Manager to ensure each team member is performing to required expectations. The Data Visualization Senior Technical Specialist will research national best practices to drive innovation and promote efficiency within the Data Visualization Team.

Essential Job Responsibilities

Coordinate and build relationships with external partners by developing and advising on scope of work contracts, managing contract tasks, and completing consultant evaluations. Deliver excellent customer service to both internal and external clients by practicing active listening, providing timely responses, maintaining thorough and accurate documentation, and communicating clearly. A primary responsibility will be to develop public involvement tools to increase transparency in departmental activities. Implement creative solutions to unique problems as they arise; and develop process improvement suggestions to streamline workflow and/or enhance process cycle times and accuracy.

This position will also establish and ensure a direct link between quality and work results by developing and implementing quality control and assurance processes for the Data Visualization Team's activities related to data visualization. Assist the team lead in ensuring the team stays current with national best practices in data visualization by researching, evaluating, and adopting new methods and technologies to improve efficiency, resilience, effectiveness, reliability, sustainability, and the safety of Tennessee's transportation network. Incorporate state requirements into TDOT's guidance documents, processes, and procedures.

Participate in peer exchanges with state and local governments and industry partners to gain insights and foster collaboration. Additional involvement with rural,

metropolitan, and statewide planning agencies and initiatives is expected to ensure that the planning process complies with or exceeds applicable federal, state, and local standards or best practices.

Qualifications

- Bachelor's degree
- 3 years of demonstrated competency in data visualization, data analytics, transportation data and systems, visualization tools, data preparation and analysis, GIS, geospatial concepts, usability and accessibility, and collaborative development of data products.

OR

- Master's degree
- 2 years of demonstrated competency in in data visualization, data analytics, transportation data and systems, visualization tools, data preparation and analysis, GIS, geospatial concepts, usability and accessibility, and collaborative development of data products.

Ideal Candidate

The Data Visualization Senior Technical Specialist is a highly skilled professional with expertise in developing, managing, and implementing innovative data analytics and GIS mapping tools. They possess knowledge and capabilities in various coding languages and programming environments and have strong communication, leadership, and team management skills, engaging effectively with stakeholders at all levels. As the Data Visualization Senior Technical Specialist, they provide strategic guidance on best practices and promote a culture of innovation within the team. Their role is essential in identifying opportunities to interpret complex data and transform it into accessible, actionable insights that support future planning and GIS efforts.