

Who we are:

TDOT is a multimodal agency with responsibilities in 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 (TDOT) has roughly 3,800 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville, and Jackson. TDOT's headquarters is located in downtown Nashville.

What we do:

The Tennessee Department of Transportation (TDOT) provides citizens and travelers of Tennessee with one of the best transportation systems in the country.

For more information on this division, please see link below:

[Long Range Planning](#)



TDOT Planning Supervisor

505 Deaderick St | Nashville, TN
Compensation: \$59,700 to \$89,496 Annually

Overview

The Tennessee Department of Transportation is currently looking for full-time **Planning Supervisors** to fill each office listed below in our Long-Range Planning (LRP) Division's Data Management Section located at TDOT Headquarters in Davidson County, TN.

Road Inventory Office (RIO): This office conducts a number of tasks – primarily involving Federal reporting as part of the Highway Performance Monitoring System (HPMS). The RIO also manages the State's photolog system and the Tennessee Image Viewer (TIV), traffic data management, and the Tennessee Roadway Information Management System (TRIMS/E-TRIMS). Some of RIO's deliverables include Annual Average Daily Traffic (AADT), Vehicle Miles Traveled (VMT), Seasonal Variation Factors, Growth and vehicle axle correction factors, and others. **Position Impact:** The Road Inventory Office compiles several data items at the statewide level for federal reporting via the HPMS federal program. The reports from HPMS have a direct impact on State Planning and Research (SP&R) funds received from the Federal government.

The **Roadway Data Office (RDO)** is responsible for the management of the statewide Linear Referencing System (LRS). The office is currently in the process of moving to a new LRS platform ESRI Roads and Highways, which will supersede the current geospatial network. The RDO is responsible for the maintenance of over 95,000 miles of public roadway data, municipal boundaries, and the collection of roadway characteristics. The data collection and maintenance activities performed by the Roadway Data Office currently supports the TRIMS and E-TRIMS application which allows users to accurately visualize roadway data and produce relevant datasets for ongoing projects and studies. **Position Impact:** This position supervises and manages the Linear Referencing System (LRS), highlighting the geospatial framework and accompanying events. This is the backbone of TDOT's roadway network which needs to be meticulously updated and maintained.

The **Data Visualization Office (DVO)** is the analytical GIS hub for spatial and non-spatial data across the Department. The DVO creatively interprets and decodes otherwise complicated planning information into useful and workable methodologies, maps, and tools. The DVO creates award-winning visual representations of transportation data using various graphical and analytical methods and provides in-depth GIS project support and guidance to other divisions, state agencies, and metropolitan/rural planning organizations. **Position Impact:** The Data Visualization Office works directly with Metropolitan Planning Organizations (MPOs) to develop and rank project plans for their regions on an annual basis. The office provides Maps and Analytics to the Governor level as well as supports a host of ESRI Online maps and PowerBI Analytics.

Planning Supervisors in the Data Management Section are instrumental in developing solutions for highway policy information and data management and various planning-related projects ranging from congestion management, hazard mitigation, bicycle and pedestrian safety, crash analytics, road performance and cost analysis and more. These positions will further develop all ongoing research as shown on our website, contributing to our portfolio, as well as be responsible for developing new creative and innovative solutions.

Responsibilities By Office

Road Inventory Office

- Lead a group of professionals in meeting RIO task assignments
- Coordinate Federal Reporting, HPMS activities to meet legislated requirements and deadlines annually as part of the HPMS annual cycle.
- Maintain and develop traffic deliverables to meet requirements of internal and external customers which include AADT, VMT and others.
- Conduct research on related existing and emerging technologies and data concepts to ensure currency and compatibility of methodologies and processes.
- Develop task orders and RFP's and manage projects to ensure established timelines are met and deliverables are accurate and complete.
- Prepare specifications for consultant contracts, establish project time schedules, and develop research reports
- Provide technical assistance and guidance to internal and external customers on the use and troubleshooting of TNTIMES, E-TRIMS and other in-house applications.
- Maintain a comprehensive knowledge of applicable federal, state, and local policies, procedures, programs, codes, regulations, and standards.

Roadway Data Office

- Lead a group of professionals in meeting RDO task assignments
- Manage TDOT's Linear Referencing System (LRS)
- Managing LRS through ESRI Roads & Highways working with IT
- Prepare specifications for consultant contracts, establish project time schedules, and develop research reports
- Statewide Roadway Data Collection (Roadway Characteristics)
- Functional Class/Local Road Updates
- Managing State-Aid program

Data Visualization Office

- Lead a team of professionals and DVO task assignments
- Coordinate GIS tasks to support various planning-related activities
- Conduct research on existing and emerging data concepts to support and facilitate the project delivery process
- Prepare specifications for consultant contracts, establish project time schedules, and develop research reports
- Provide technical assistance to numerous planning agencies to ensure proper implementation of state and federal planning policies and procedures.
- Develop new tools to improve the efficiency and productivity of planning operations by designing model concepts, writing computer programs, or consulting with programmers, and testing the model for accuracy.

Qualifications

- Education and Experience: Graduation from an accredited college or university with a bachelor's degree in community planning, transportation planning, public administration, civil engineering, landscape architecture, or other related bachelor's degree and experience equivalent to five years of full-time professional planning work. OR Possession of a master's degree in community planning, transportation planning, public administration, civil engineering, or landscape architecture from an accredited college or university and experience equivalent to three years of full-time professional planning work. Substitution of Education for Experience: Graduate coursework in community planning, transportation planning, public administration, civil engineering, landscape architecture, or other related degree may be substituted for the required experience on a year-for-year basis, to a maximum of two years (24 semester hours is equivalent to one year). Substitution of Experience for Education: None.
- Five (5) years of professional planning experience.
- Geographic information Systems (GIS) professional certification is preferred.
- Experience with the transportation planning process, roadway, and experience leading a team is preferred.
- Candidates for this position should have experience working with large datasets or Big Data while creating effective business strategies and utilizing appropriate systems. This will ensure that accurate data is made available for the visualization of transportation planning projects with the given assurance of the reliable delivery of projects, that are within state and federal guidelines.

Special skills, knowledge or experience required or desired

- Leadership experience
- Managing/Supervising a group of professionals
- Effective communication and presentation skills, with experience presenting to large and small groups.
- Knowledge of ESRI's Geographic Information Systems (GIS) online and Pro desktop products.
- Experience with transportation planning process.
- Experience working with linear referencing systems, relational databases as it relates to data extraction and compilation, while preserving data quality and integrity.
- For DVO supervisor position
 - Roadway and graphics design experience and knowledge
 - Knowledge of various visualization platforms such as Microsoft Power BI.
 - Knowledge of Adobe Suite products
 - Knowledge of programing languages such as Python and SQL
- For RIO and RDO:
 - Experience working with large datasets or Big Data while utilizing appropriate systems to ensure the development of accurate and reliable data.
 - Knowledge of rules surrounding the Highway Performance and Management System (HPMS) and the Traffic Management and analysis System (TMAS).
 - Knowledge of ESRI Roads and Highways.
- Knowledge of the Code of Federal Regulations; specifically, Title 23.

Applications must be submitted online.

Interested applications should apply online at:

<https://www.tn.gov/tdot/human-resources-home/tdot-careers.html>

Questions? Email TDOT.Careers@tn.gov

Pursuant to the State of Tennessee's Workplace Discrimination and Harassment policy, the State is firmly committed to the principle of fair and equal employment opportunities for its citizens and strives to protect the rights and opportunities of all people to seek, obtain, and hold employment without being subjected to illegal discrimination and harassment in the workplace. It is the State's policy to provide an environment free of discrimination and harassment of an individual because of that person's race, color, national origin, age (40 and over), sex, pregnancy, religion, creed, disability, veteran's status, or any other category protected by state and/or federal civil rights laws.