

## Who we are:

TDOT is a multimodal agency with responsibilities in aviation, public transit, waterways, railroads, and cycling and walking. Our involvement ranges from airport improvements to funding transit buses to planning for river ports.

The Department of Transportation (TDOT) has close to 4,100 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**



## Planning Specialist Advanced

505 Deaderick St

Nashville, TN

Compensation: \$4,091.00 - \$6,546.00

## Overview

The Tennessee Department of Transportation is currently hiring a full-time **Planning Specialist Advanced** for our Long Range Planning (LRP) Division's Road Inventory Office located at TDOT Headquarters in Davidson County, TN.

The Road Inventory Office (RIO) manages traffic information and records in the Tennessee Traffic Information Management and Evaluation System (TN-TIMES). This system acts as the hub for Tennessee's traffic data including volume and vehicle classification, speed and potentially vehicle weight data. The RIO is tasked with delivering reliable traffic data using TNTIMES and for analyzing and compiling E-TRIMS (Enhanced Tennessee Roadway Information Management System) reports and datasets as part of the annual Highway Performance Monitoring System (HPMS) reporting process. HPMS is a federally mandated program which includes data on the extent, condition, and operating characteristics of Tennessee's roads. It is guided under 23 CFR 420.105(b) requiring that all States provide data regarding the extent, condition, performance, use, and operating characteristics of the nation's roadways. High quality traffic data is an important component of HPMS as it is further translated into the apportionment of Federal-aid highway funds to the various States.

TDOT relies heavily on the use of TN-TIMES and E-TRIMS in analyzing key roadway attributes and traffic data, and with the advent of ArcGIS Roads and Highways and associated systems, the RIO is seeking a suitable candidate who should be an independent, but collaborative worker, willing to assist in identifying system inadequacies while proposing creative solutions to them.

## Responsibilities

- Lead efforts in capturing, compiling, analyzing, and reporting TN HPMS data from various sources to the FHWA.
- Assist with the review of HPMS deliverables including datasets from stakeholders including PM2 (Pavement) and PM3 (Travel Time Metrics) data.
- Develop and maintain Standard Operating Procedures (SOP) for HPMS, and document deficiencies in the program while identifying methods to improve them.
- Assist with the development of task orders for various TDOT initiatives including HPMS Sample data collection, traffic data collection activities and the implementation of new technology.
- Assist in ensuring that traffic data meets prescribed metrics for approval and data entry into the TN-TIMES application.
- Assist in TN-TIMES Year End Processing (YEP) including the cleaning and editing of Traffic data and using statistical methods to ensure data integrity prior to using traffic data.
- Perform statistical analyses on various datasets, prepare graphs to highlight results when needed as a data visualization tool and an improvement to data processing capabilities, and produce reports or presentations on findings.
- Make recommendations on improvements to the Traffic Monitoring Program.
- Make recommendations on other complimentary tools which will help make improvements in traffic data estimating and predicting.
- Attend and present at various meetings, conferences, and seminars as necessary.
- Conduct research and maintain an awareness of new issues, methodologies, equipment, trends for the advancement of the TDOT Traffic Monitoring Program and HPMS reporting.
- Maintain a comprehensive knowledge of applicable federal, state, and local policies, procedures, programs, codes, regulations, and standards.

## Qualifications

- Experience in data science and analytics, and transforming massive datasets into informed business decisions
- Knowledge of Geographic Information Systems (GIS) and geospatial technology
- Excellent communication and presentation skills.
- Experience with Microsoft Office 365 products
- Ability to work independently and in a team environment

### *Preferred*

- Experience with statistical analyses and producing effective displays and visualizations using Adobe or GIS applications.
- Experience working with linear referencing systems, relational databases as it relates to data extraction and compilation, while preserving data quality and integrity.
- Knowledge of Transportation Planning practices and activities.
- Leadership experience
- 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>

Select **PLANNING SPECIALIST-ADVANCED**

Questions? Email [TDOT.Careers@tn.gov](mailto: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.