

Who we are:

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 close to 3,400 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville and Jackson. TDOT's headquarters is located in downtown Nashville.

What the Division does:

The Long Range Planning Division is responsible for the planning, development and management of statewide transportation studies and planning tools that help guide the policies and programs of TDOT and its various divisions.

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

<https://www.tn.gov/tdot/long-range-planning-home.html>



TDOT Intern Long Range Planning Division Forecasting Office Location: Nashville, TN Compensation: \$20.00/hourly

Overview

The Tennessee Department of Transportation is currently hiring student interns for the Forecasting Office of the Long Range Planning division, located in Downtown Nashville. The interns will work on the development of the TSMv4. This knowledge is crucial for any intern or individual looking to build a career in the field of transportation engineering. They will be focusing on creating new projects on the network for years 2018, 2025, 2035, and 2045. Interns will also research the best ways to create data and learn to populate a demographic dataset. The interns will then learn how to compare their findings to the TSMv4 and the 11 MPO models. One of the foundational components of forecasting is TAZ boundaries which will require an introduction to their importance and relevance to the forecasting process.

Responsibilities

- Update the highway network functional class, area type, posted speed limit, number of lanes, shoulder width, median, and turning lanes.
- Work on the technical task and produce quality deliverables as required in the internship development plan.
- Join weekly forecasting office meeting and report weekly update through email and orally as needed.
- Review existing traffic analysis zones in Tennessee and learn their importance in forecasting.
- Learn how to identify and list TAZs that need modifications, including combined, split, removed, and changes.
- Discover how to find and list top producing/attracting zones, special generators, and top employers such as military bases, airports, hospitals, and universities.
- Keep tracking of the daily work in OneNote.
- Maintain proper documentation, file/folder organization and structure.
- Update weekly workload plan by every Friday.
- Present model outputs including an automated system/model/template that can be used to generate maps.

Qualifications

- Civil Engineering, Urban Planning, Transportation Engineering, Industrial Engineering, Geographic Information Systems, or equivalent majors required.
- Junior, or Senior Class Status required as of May 2024 OR Recent graduate as of Spring 2023.
- Legally authorized to work in the U.S.
- Basic Knowledge of Transportation Engineering, Urban Modeling, and Urban Planning preferred.
- Excellent knowledge of Geographic Information Systems (ESRI ArcGIS), Office Word, Excel required.
- Basic knowledge in any programming language such as Python or R preferred.

To be considered for this position, please apply via [SurveyMonkey](#).

Please attach a two (2) page maximum résumé and a transcript to your application.

Applicants will be required to provide an academic portfolio showcasing academic achievements, experience, and knowledge.

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.