

## 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 4,000 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville and Jackson. TDOT's headquarters is located in downtown Nashville

## What the Division does:

The Traffic Office is responsible for monitoring and reporting on Tennessee's transportation system, overseeing the Traffic Management Center (TMC), preparing traffic signal, roadway lighting, and roadway signage designs, and performing traffic engineering studies (including traffic simulation and analysis).

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

<https://www.tn.gov/tdot/traffic-operations-division/traffic->



**Civil Engineering Intern**  
Traffic Operations Division  
Location: Nashville, TN  
Compensation: \$18.00/hourly

### Overview

The Tennessee Department of Transportation is currently hiring a student intern for the Traffic Operations Office, located in Downtown Nashville, TN. The traffic intern will work with the State Traffic Engineer and other engineers to Learn about Traffic Flow Theory, Traffic Signal Design, Highway Safety & Calculation of Crash Rates, Design and Maintenance of Traffic Control Devices. This intern will be given real TDOT projects throughout the 13-week internship.

### Responsibilities

- Review signal, lighting, and ITS designs, perform traffic modeling, review sign installation work orders and driveway permits.
- Perform interrupted and uninterrupted flow analysis.
- Use Microstation, Geopak, and additional signal and lighting design software to create conceptual design/drawings.
- Review existing parking and rest area sites along our interstates, develop concept plans using aerial images and MicroStation to safely maximum parking areas.
- Develop low, medium, and high-cost options for each site that may include expansion of the parking areas, lighting, other facility improvements and interstate improvements like acceleration or deceleration lanes.

### Minimum Qualifications

- Civil Engineering major required.
- Junior, or Senior Class Status required as of May 2022 OR recent Graduate as of Spring 2021.
- Familiarity with foundation civil and traffic Engineering concepts preferred.
- Legally authorized to work in the U.S.

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.*