

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 Traffic Design Division is responsible for overseeing the development of plans, policies, specifications, and standards for the traffic discipline within TDOT's Bureau of Engineering. Key areas of responsibility include core traffic services such as traffic signals, signs, traffic markings, roadway lighting, along with other areas such as advanced transportation technologies, traffic modeling, and work zones.

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

<https://www.tn.gov/tdot/traffic-design.html>



Engineering Intern Traffic Design Division – Traffic Services

Location: Nashville, TN
Compensation: \$21.00/hourly

Overview

The Tennessee Department of Transportation is currently hiring a student intern for the Traffic Services section of the Traffic Design division, located in Nashville, TN. The intern will work alongside experienced designers to learn the basics of signal and lighting design. They will have a signal project to design and produce plans for the functional PDN stage as time allows. They will begin with an introduction to basic signal elements and progress to designing using software. The intern will be introduced to the Project Delivery Network process and attend project reviews to better understand the plans process. The intern will also be exposed to basic lighting design elements by reviewing photometric calculations and high mast and offset pole locations.

Responsibilities

- Produce a Functional set of signal plans.
- Become familiar with signal design elements such as pole locations and phasing.
- Gain experience with signal design software.
- Learn the PDN process and attend a field review.
- Introduction to roadway lighting design elements including photometrics and pole placement.

Minimum Qualifications

- Engineering major required.
- Junior, or Senior Class Status required as of May 2025 OR recent Graduate as of Spring 2024.
- Legally authorized to work in the U.S.
- Microsoft Office skills preferred.
- Familiarity with basic traffic engineering concepts.

To be considered for this position, please visit the [TDOT Summer Internship Program](#) website and submit an application.

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.