

## 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/about/tdot-organizational-charts/org-chart-region.html>



### Civil Engineering Intern

#### Region 1 Traffic Office

Location: Knoxville, TN

Compensation: \$20.00/hourly

## Overview

The Tennessee Department of Transportation is currently hiring student interns for the Traffic Office, located in Knoxville, TN. These interns will apply transportation engineering principles and techniques to improve the quality, operations, and safety of Tennessee State roadways. The Traffic interns will identify locations where bottlenecks and congestion are occurring along Interstate and State Routes in Region 1 using the Regional Integrated Transportation Information System (RITIS). While completing assignments these interns will interact with engineering and technical staff and become familiar with Geometric Design, MUTCD, Highway Capacity Manual and other Traffic Engineering related software like synchro and Arc GIS.

## Responsibilities

- Perform traffic studies such as speed studies, turning movement counts, signal warrant analysis studies, and crash & safety studies.
- Assist local governments and the public with finding solutions to various civil engineering problems or concerns, specifically related to the flow of traffic and safety concerns. Review traffic control plans and prepare sign and marking layouts.
- Conduct signal warrant analysis, review site development plans, perform traffic impact studies, and designing plans for retrofits.
- Create a list of the top 10 locations
- Identify solutions for areas not yet included in a TDOT active project
- Prepare a map, report, and presentation for the bottleneck locations.

## Minimum Qualifications

- Civil Engineering major required.
- Junior, or Senior Class Status required as of May 2023 OR recent Graduate as of Spring 2022.
- Legally authorized to work in the U.S.
- Strong oral and written communication skills, problem solving ability, and critical thinking skills preferred.
- Familiarity with foundational transportation engineering concepts.

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.*