

## 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 Structures Division does:

The Structures Division is responsible for designing and developing plans and specifications relating to all highway structures and for the inspection of all bridges in Tennessee. Key responsibilities include design of foundation conditions, tolerances and complex geometry; the design of major or unusual structures; resolution of hydrology and hydraulic problems; coordination of Geological Survey services; processing of federal disaster assistance, hydraulic studies involving legal action; scour studies; inspection of prefabrication plants, welding procedure review; on-site erection supervision; design and development of contract plans specifications; development of automated structural detailing systems; and bridge inspection.

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

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



## Civil Engineering Intern

Structures Division

Location: Nashville, TN

Compensation: \$20.00/hourly

## Overview

The Tennessee Department of Transportation is currently hiring student interns for the Headquarters Structures Division, located in Downtown Nashville. The structures interns will be exposed to projects including: 1) Evaluating various types of bridges 2) Evaluating typical bridge components & terms 3) Learning about the basic load rating process and performing calculations 4) Reviewing field inspection reports for accuracy and completeness. The intern will also analyze overweight vehicles on bridges in Tennessee and assisting in the management of consultant load ratings.

## Responsibilities

- Train on the following: a) in-service bridge terminology, inspection, and structural analysis, b) the concept of influence lines and its application of vehicles on bridges, and c) the TN Trips software.
- Review and evaluate Bridge Inspection Reports.
- Analyze overweight permits starting with low-complexity under the supervision of an engineer and eventually moving towards moderate-complexity.
- Develop Load Ratings for Bridges and Permit Load Evaluations.
- Update bridge master record files
- Attend meetings with consultants and fellow evaluators to stay up to date with initiatives and projects.

## 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.
- Familiarity with foundational structural design concepts 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.