

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 more than 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 Bridge Repair Section is responsible for the design and plans preparation of bridge repair projects on state maintained bridges. Plans are developed by both in-house staff and consultant firms, which are under contract with the Department.

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

<https://www.tn.gov/tdot/structures-bridge-inspection-and-repair.html>



Civil Engineering Intern
Region 2 Bridge Inspection
Locations: Crossville, TN
Compensation: \$16.00/hourly

Overview

The Tennessee Department of Transportation is currently hiring a student intern for the Bridge Inspection offices located in Crossville, TN. Regional teams conduct bridge inspections on over 19,000 bridges located throughout the state. They are responsible for inspecting and maintaining a complete inventory of all bridges every two-years.

The intern's summer project will be the long term study of the deterioration of one structure from the beginning of digital record keeping current, approximately 25 years. The intern will evaluate the original ratings from the oldest records we have available and compared to current condition ratings. Development of the bridge's deterioration should be evaluated, with discussion on how to limit deterioration or make improvements that could have arrested the deterioration.

Responsibilities

- Assist a Bridge Inspection crew to identify structural defects and assist in the development of reports.
- Record data and take photos of the structures.
- Select structure or be assigned a structure to study.
- Learn level 1 structural inspections to identify every part of a roadway structure.
- Review Bridge Inspection Reports from all previous inspections, noting when deficiencies occur, could the deficiency been prevented, and note the lowering of condition ratings and when they occurred in the bridge's life cycle.
- Determine if the lowering of ratings is linear or more exponential. Data should be collected on all elements, noting the bridge's construction method for long term viability.
- Observe hydraulic data and show how shifting stream banks or stream beds can adversely affect a bridge.

Qualifications

- Civil Engineering major required.
- Junior, or Senior Class Status required as of May 2022 OR recent Graduate as of Spring 2021.
- Legally authorized to work in the U.S.
- Knowledge of structural or transportation related concepts.
- Interest in Bridge Design, Construction, or Inspection.
- Adventurous, likes to be outdoors, and not afraid of heights or confined spaces.

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.