

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 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>



TDOT Intern Structures Division - Hydraulics Location: Nashville, TN Compensation: \$21.00/hourly

Overview

The Tennessee Department of Transportation is currently hiring a student intern for the Headquarters Structures Division in the Hydraulics office located in Downtown Nashville. This intern will perform hydraulic design of one to two TDOT structures/projects. The intern will also learn how to use TDOT design software and gain basic CADD skills. Deliverables of the summer intern project include the HEC RAS model, Hydraulic Toolbox files, deck drain spreadsheet, and final bridge hydraulic layout.

Responsibilities

- Complete hydraulic design including no bridge, existing model, and proposed model using HEC RAS.
- Complete scour calculations using Hydraulic Toolbox.
- Complete deck drain spreadsheet to determine locations of deck drains.
- Work with detailer group (CAD operators) to create bridge hydraulic layout drawing.
- Put together a final report, letter, and layout for distribution.
- Complete hydraulic design including no bridge, existing model, and proposed model using HEC RAS.
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Minimum Qualifications

- Civil Engineering, or Environmental 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.
- Strong interest in hydraulics and water resources engineering preferred.

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.