

Who we are:

TDOT is a multimodal agency with responsibilities in aviation, public transit, waterways, railroads, and cycling and walking.

The Department of Transportation (TDOT) has over 4,100 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville, and Jackson. TDOT's headquarters is located in downtown Nashville.

What we do:

The Tennessee Department of Transportation (TDOT) provides citizens and travelers of Tennessee with one of the best transportation systems in the country.

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

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



Graduate Transportation Associate

Headquarters Structures Division

County Location: Davidson

Compensation: \$4,240.00/month with BSCE & \$4,452.00/month with MSCE

Overview

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, design and development of contract plans specifications; development of automated structural detailing systems; and bridge inspection.

Responsibilities

Design and Bridge Repair: The Design office and Bridge Repair office GTA's responsibilities include providing grade sketch/clearance calculations, completing bridge preliminaries and completing other design tasks for pre-stressed concrete bridges. Additionally, the GTA will complete retaining wall designs and checks, review shop drawings and attend field reviews.

Hydraulics: The Hydraulics office GTA's responsibilities include completing the hydraulic design of stream encroachments, determining the hydraulics criteria for structures and performing the deck drain analysis of all grade separations. Additionally, the GTA will ensure that grant bridges and FEMA replacement bridges meet design policies and will participate in field reviews and site visits.

Qualifications

A Bachelor's or Master's degree in Civil Engineering is required. Additionally, the GTA must pass the Fundamentals of Engineering (FE) Examination within eleven months of employment.

The ideal GTA candidates will have experience working in technical software such as MicroStation or Autocad and has a basic understanding of structural principles.

Applications must be submitted online in order to be considered for the position.

Questions? Email TDOT.Careers@tn.gov

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.