

Who we are:

Transportation is so basic that many of us overlook its overwhelming importance in our daily lives. Practically everything used in our homes, offices, or schools across Tennessee – from furniture to food items to clothing – requires a large and complex transportation network. 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 approximately 3,500 employees with four statewide region facilities in Knoxville, Chattanooga, Nashville, and Jackson.



Bridge Inspection Transportation Worker Region Operations – Field Operations, Bridge Inspection \$43,140 - \$53,628 annually

Job Overview

The Bridge Inspection Transportation Worker is responsible for daily inspection tasks, including the operation of equipment, to help ensure TDOT's infrastructure is safe for all users. The position assists with the inspection processes for bridges, culverts, and other structures, ensuring thorough and accurate assessments are conducted. The Bridge Inspection Transportation Worker is primarily responsible for operating heavy machinery, vehicles, power tools, and standard hand tools used to inspect bridges within the State's highway and roadway systems. The Bridge Inspection Transportation Worker accomplishes daily inspection activities in alignment with a project's scope, schedule, and budget. This position serves as a resource to the Team for equipment operations, task completion, and overall inspection activities.

This position assists in delivering high-quality work within the defined scope, schedule, and budget. The Transportation Worker works under the guidance of experienced team members, gaining the knowledge and skills needed to improve operational efficiencies and contribute to the implementation of innovative best practices. As they develop their expertise, they will take on more responsibilities and become an integral part of the team's success.

Essential Job Responsibilities of the Transportation Worker I, II, and III include:

Assist in the successful completion of inspection projects for the Department's transportation infrastructure by identifying deterioration and deficiencies; supporting the interpretation of project-specific procedures, plans, and specifications; ensuring activities align with state and federal laws; communicating findings clearly; supporting the input of data into the Bridge Management System; emphasizing safety as a priority; and helping the public during emergency situations. Gain an understanding of team roles within projects, effectively communicate with team members to learn objectives, and prioritize safety in all tasks.

Assist in integrating quality management into all aspects of inspection projects to support alignment with asset management objectives. Promote a safety-focused work environment by learning to recognize hazards, assess risks, and help mitigate safety issues, including understanding processes and the selection of appropriate technology. Learn to apply the TDOT Occupational Health and Safety (OHS) Policies and the Manual of Uniform Traffic Control Devices (MUTCD) to establish inspection work zones. Help inspect and evaluate the quality of bridge assets in accordance with the National Bridge Inspection Standards (NBIS), Specification for the National Bridge Inventory (SNBI), Bridge Inspector's Reference Manual (BIRM), and TDOT Bridge

Inspection Manual to determine changes in conditions, value, safety, or quality, and make recommendations for repair.

Assist in tracking data related to employee time, equipment, structural conditions and material usage on projects.

Assist in the proper operation and basic maintenance of TDOT equipment, including aerial lifts, Under Bridge Inspection Vehicles (UBIV), ladders, Personal Protective Equipment (PPE), climbing equipment, and other equipment as required. Help track the accurate use of the equipment. Obtain and maintain all required certifications for equipment operation.

Provide excellent customer service to both internal and external customers. Work well with other teams, listen carefully, respond quickly to requests, keep accurate records, and communicate clearly.

Participate in the Transportation Worker Proficiency Program by completing all required training and documentation. Maintain your Personal Advancement Log (PAL), submit necessary records on time, review module materials carefully, and prepare for scheduled exams and demonstrations. Engage actively in the program to develop your skills and advance in your role.

Participate in investigating complaints and emergency scenarios by assisting with inspections of bridge conditions and other duties as assigned during emergency events, including floods, tornadoes, fires, vehicle impacts, and hazardous material spills. Effectively communicate with the foreman, peers, and emergency management crews regarding the purpose of lane closures, the severity of incidents, the status of emergency response efforts, and other relevant incident information. Help ensure proper documentation of all activities and information during roadside operations, inspections, and other emergency situations related to the monitoring and remediation of issues with the condition of bridge assets as required. Remain current on training related to emergency operations.

Remain current on national best practices related to the NBIS, SNBI, BIRM, and inspection standards for TDOT employees, contractors, and the traveling public.

Routinely collaborate with project teams, including Bridge Performance and Preservation Teams, and help document project-specific knowledge, including notable bridge deficiencies, that will maximize project successes, implement national best practices, and avoid past errors. Assist the Asset Management Division in inspecting ancillary structures. Attend field meetings with maintenance or repair teams to help assess bridge conditions for rehabilitation as needed.

Essential Job Responsibilities of the Transportation Worker II and III include:

Learn to utilize data from various tasks, such as investigating complaints, inspecting road and bridge conditions, and identifying right-of-way encroachments. Support the tracking of data related to employee time, equipment usage, and material consumption on projects to improve efficiency and inform decision-making. Help complete documentation relative to the monitoring and remediation of issues associated with the condition of highway assets.

Ensure appropriate selection, timely procurement, and proper operation of TDOT equipment, including aerial lifts, Under Bridge Inspection Vehicles (UBIV), ladders, Personal Protective Equipment (PPE), climbing equipment, and other equipment as required. Accurately track the appropriate use of the equipment. Support the Bridge Inspection Foreman by coordinating and verifying that employees attend and/or maintain all certifications required for equipment operations.

Essential Job Responsibilities of the Transportation Worker III include:

Utilize data generated by work accomplished, including complaint investigation, inspections of road and bridge conditions, and right-of-way encroachments. Help track data trends to identify potential areas of risk and underlying causes. Assist in generating standardized reports for use with the Engineering Division, Maintenance Rating Program (MRP), and TDOT Executive Leadership as a tool for use in determining the Region's progress in accomplishing the commitments established by the Department's Work Program. Help coordinate with HQ for records retention and ensure procedures are in compliance with Records Disposition Authorization (RDA) requirements.

Train and monitor proper operation of TDOT equipment, including aerial lifts, Under Bridge Inspection Vehicles (UBIV), ladders, Personal Protective Equipment (PPE), climbing equipment, and other equipment as required.

Oversee and coordinate teams to ensure tasks are completed successfully, with clearly defined roles and responsibilities, adherence to objectives, and open, effective communication. Monitor project progress, offer guidance and support to team members, and ensure all work aligns with project goals, timelines, and quality standards. Foster a collaborative and safety-focused environment to achieve optimal outcomes.

Qualifications

Education and Experience: High school diploma or equivalent.

The progression requirements of the tiers of the Transportation Worker Proficiency Program are:

Transportation Worker 1: Fundamental level Transportation Worker. No prerequisites other than High School Education or equivalent. Eligible for promotion to Transportation Worker 2 upon satisfactory review and completion of the required skills and modules* of the Transportation Worker 1 level.

Transportation Worker 2: Intermediate level Transportation Worker. Must have successfully completed the required skills and modules* of the Transportation Worker 1 level. Eligible for promotion to Transportation Worker 3 upon satisfactory review and completion of the required skills and proficiency modules* of the Transportation Worker 2 level.

Transportation Worker 3: Experienced level Transportation Worker. Must have successfully completed the required skills and modules* at the Transportation Worker 2 level.

*Each level of the Transportation Worker Series will have defined core and elective modules that must be completed for eligibility to move forward to the next level of the series.

Necessary Special Qualifications

- Possess and maintain a Class D driver's license valid to operate vehicles in the State of Tennessee.

Ideal Candidate

The Bridge Inspection Transportation Worker is a dedicated and detail-oriented team member committed to ensuring the safety and reliability of TDOT's structures. They approach their work with a strong sense of responsibility and precision, continuously learning and refining their skills through hands-on experience and collaboration. The Bridge Inspection Transportation Worker values learning from others, teamwork, and open communication, fostering a supportive environment where quality and accuracy are prioritized. With a focus on

diligence and professionalism, they contribute to the team's success by staying organized, engaged, and committed to upholding the highest standards in every aspect of their work.