

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. TDOT Aeronautics is located near the John C. Tune Airport in Nashville, TN.



Bridge Repair Manager

Engineering Division – Bridge Repair Section

Nashville, TN

\$124,800 annually

Job Overview

The Bridge Repair Manager will lead, mentor, and train technical staff through empowerment, communication, and delegated authority. This position will develop work plans that align with the Engineering Division's strategic vision and will effectively delegate authority and responsibility, when applicable while ensuring the availability of resources for the Bridge Repair Section to be successful.

The Bridge Repair Manager will assist in the development of department policies, discipline-specific technical guidance, procedures, and manuals for the repair and rehabilitation of TDOT's bridge assets. This position will assist the Bridge Repair Section in appropriately executing the bridge repair, rehabilitation and/or replacement recommended action. It includes assisting with regional activities regarding the repair of TDOT maintained bridge structures. The Bridge Repair Manager will supervise technical staff and will develop performance plans, schedules, and budgets, ensuring expected outcomes, performance, and accountability of each team member. The Bridge Repair Manager in collaboration with other Structures Discipline Managers will research national best practices to drive innovation and efficiency within the Engineering Division as part of TDOT's efforts to optimize bridge lifecycle costs and performance.

Essential Job Responsibilities

Manage resources and staff utilization and assist Project Managers in the management of external partners together with the Professional Services Division, including the negotiation of contracts, review of consultant invoicing, development of contract scopes, management of contract tasks, and completion of consultant grading.

Establish and ensure there is a direct relationship between quality and work outcomes by assisting in the development of standards for the Bridge Repair Section in collaboration with the Bridge Performance and Structural Design Sections. Assisting with quality control tasks as per the TDOT Quality Assurance Process with respect to the Project Delivery Network (PDN) and non-PDN activities that improve performance and increase sustainability of TDOT's bridges. Provide routine consultant evaluations on work products utilized by the section.

Assist in the development of a Consultant Acquisition Plan (CAP) by providing strategic leadership in utilizing consultants for program and project delivery and oversee consultant activities to ensure quality products and services are provided. Serve on

selection committees for professional engineering services. Provide support in the development of the Request for Proposal (RFP), determining scoring criteria, participating in project information sessions, serving as a scorer as part of the consultant acquisition process, and attending de-briefs with consultants, including those projects for which Alternative Delivery methods are applied.

Manage change, clarifying the vision, taking ownership of the change, communicating effectively, remaining transparent, and holding yourself and others accountable throughout the process.

Assist Project Teams as part of a matrix organization in developing the project vision for those projects having the highest complexity; define critical goals and intended outcomes for the scope, schedule, budget, and quality in coordination with the Program Manager related to bridge repairs, rehabilitation, and replacement projects; support Program Management staff by writing Structures Scope of Work related to bridge performance, repair, and rehabilitation issues in collaboration with TDOT Right-of-Way, TDOT Environment, and TDOT Construction; apply context-sensitive design strategies; effectively coordinating with other units within TDOT to mitigate constructability and maintenance concerns as part of the Functional Design Plans development per the Project Delivery Network (PDN); proactively assess risk factors, including providing technical expertise and support in matters related to bridge repair, and evaluating new repair products and paint systems. For Project Teams associated with Alternative Delivery Contracts, forecast the cause and effect of implementing Alternative Technical Concepts related to the Request for Proposal (RFPs), project cost, and construction timing as they may relate to bridge repair items or issues.

Lead the Bridge Repair Section in providing exceptional customer service to both internal and external customers, exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Remain current on revisions to the design criteria, procedures, data tracking software, FHWA resources, and engineering techniques related to bridge performance, repair, rehabilitation, and replacement; assist in the design and analysis of structures-related design components for complex projects having the highest degree of risk in the repair, rehabilitation, or replacement of ancillary structure designs; and assist with Risk Assessments.

Develop and implement a tracking mechanism that ensures all workflow items, including coordinating with Maintenance and Structural Design in tracking data to predict and prevent future maintenance issues through improvements from design through operations lifecycle.

Assist in ensuring the Bridge Repair deliverables are consistent, predictable, and repeatable to provide consistently high levels of achievement, mitigation of risk, and an established track record of success.

Qualifications

- Bachelor's degree in Civil or Structural Engineering
- Licensed PE
- 8 years of demonstrated competency in bridge design and/or bridge maintenance that includes at least 2 years of demonstrated competency in supervision.