

## 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 Asset Manager**

Asset Management Division – Bridge Asset Section  
Nashville, TN  
\$124,800 annually

#### **Job Overview**

The Bridge Asset Manager will lead, mentor, and train technical staff through empowerment, communication, and delegated authority. This position will develop work plans that align with the Bridge Asset Section's strategic vision and will effectively delegate authority and responsibility when applicable while ensuring the availability of resources for the Bridge Asset Section to be successful. This position will collaborate with TDOT leadership in establishing, identifying, and monitoring performance measures that provide critical information needed for the implementation of strategic initiatives that drive efficient and effective activities to meet or exceed the Department's goals and objectives. This position will also be responsible for compiling the data and producing the reports in collaboration with the Structures Section that comply with the Federal Highway Administration requirements for the Transportation Asset Management Plan (TAMP).

The Bridge Asset Manager will assist in the development of Department policies, technical guidance, procedures, and manuals that are directly related to performance outcomes. This position will supervise technical staff and will develop performance plans, schedules, and budgets, ensuring expected outcomes, performance, and accountability of each team member. The Bridge Asset Manager, in collaboration with the Bureau of Engineering, the Bureau of Planning, the Bureau of Administration, and the Executive Leadership will research national best practices to drive innovation and efficiency that maximize the value of the department's bridge asset management program.

#### **Essential Job Responsibilities**

Manage resources and staff utilization to ensure plans and programs are aligned with TDOT's strategic goals. Lead the development of asset management driven policies, process and guidelines. Create training to increase the knowledge of asset management within TDOT. Manage external partners together with the Professional Services Division, including the negotiation of contracts, development of contract scopes, and documentation of consultant qualifications.

Provide support in the development of the Request for Proposal (RFP) by attending project-specific marketing meetings, determining scoring criteria, participating in project information sessions, serving as a scorer as part of the consultant acquisition process and Brooks Act, and attending de-briefs with consultants, including those

projects for which Alternative Delivery methods are applied and the Consultant Acquisition Program (CAP) requirements.

Establish and ensure there is a direct relationship between quality and work outcomes by serving as the link for investment priorities contained in the State Transportation Improvement Program (STIP) to the achievement of performance targets, including the responsible use of fiscal resources, protection of natural resources, availability of accurate data as part of a multi-level performance dashboard, adherence to planned budgets and schedules, and implementation of a post-delivery project and program analysis.

Manage change, clarify the vision, take ownership of the change, communicate effectively, remain transparent, and hold yourself and others accountable throughout the process. Study the impact of rehabilitation and repair options to assist the Program Managers with preventative maintenance that maximizes the bridge and structure level of service and life cycle. Monitor network conditions to assist with bridge load rating and posting needs.

Assist Project Teams, as part of a matrix organization, to collaborate with the structures division to develop condition analysis trends and scenario predictions to forecast department's long-term and short-term structural construction and maintenance needs. Support the Project Managers by reviewing Scopes of Work in collaboration with all relevant Asset Management Sections, TDOT Roadway, TDOT Traffic Operations, TDOT Maintenance, and TDOT Construction; develop solutions based on overall lifecycle costs as part of Functional Design Plans development per the Project Delivery Network (PDN); proactively assess risk; communicate operations and maintenance concerns; and forecast the cause and effect of implementing Alternative Technical Concepts (ATCs) related to Alternative Delivery projects.

Lead the Bridge Asset Management Section by providing exceptional customer service to both internal and external customers by fostering economic competitiveness through infrastructure investments, maintaining complete and accurate documentation, communicating effectively, and providing accurate, real-time data. Supply data and analysis in support of the Performance Management Section to ensure the department's performance goals, metrics, and objectives are being met. Assist and support the implementation of automated tools for data collection and reporting to improve efficiency and access for internal and external stakeholders.

Remain current on state and federal requirements related to the Bridge goals in the Transportation Asset Management Plan and participate in national-level peer exchanges that focus on data management and security, rulemaking, innovation, communication, reporting, and assessment. Create and update training and assist with proficiencies focusing on critical competencies that drive performance. Ensure that performance initiatives are delivered consistently, according to Department and Federal Highway Administration guidelines, through effective and efficient review, analysis, and reporting of compliance with TDOT guidance documents, policies, and procedures.

Implement a multi-level bridge asset performance management dashboard that provides for transparency, accountability, and a comprehensive approach to driving investment strategies and providing for an integrated transportation system. Provide key information to assist TDOT leadership in understanding the consequences of investment decisions across bridge-related assets.

Assist in ensuring Bridge Asset Section 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 Engineering
- Professional Engineer (PE) License
- 8 years of demonstrated competency in a transportation engineering field, that includes at least 2 years of demonstrated competency in supervision.

### **Ideal Candidate**

The Bridge Asset Manager has extensive experience in managing bridges, tunnels, and culverts and possesses in-depth knowledge of bridge data, design, construction, and maintenance principles and practices. Moreover, they are proficient in handling asset management data format, security, software, and database systems. They are detail-oriented with analytical and problem-solving skills that enable them to tackle complex issues easily. The Bridge Asset Manager is adept at project management, budgeting, and scheduling. They work collaboratively with cross-functional teams and possess excellent communication skills. They have the unique ability to convey complex technical information to diverse audiences. They are committed to safety, sustainability, and quality in all aspects of bridge asset management, making them a standout performer.