TN TDOT
Department of Transportation

Transportation Data Systems Manager
Asset Management Division – Transportation Data Systems Section
Nashville, TN
$110,004 annually

Job Overview

The Transportation Data Systems Manager will lead, mentor, and train technical staff through empowerment, clear communication, and delegated authority. This role will assist in prioritizing and developing work plans that align with the strategic vision of the Transportation Data Systems Section, effectively delegating responsibility when appropriate while ensuring necessary resources are available for success. 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 other Divisions and Sections that comply with the Federal Highway Administration requirements for the Transportation Asset Management Plan (TAMP).

The Transportation Data Systems Manager will assist in the development of Department policies, technical guidance, procedures, and manuals that are directly related to ancillary assets. This position will supervise technical staff and will develop performance plans, schedules, and budgets, ensuring the expected outcomes, performance, and accountability of each team member. The Transportation Data Systems 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 data systems 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, processes, and guidelines. Collaborate in the development and execution of statewide Transportation Data and Governance policies and procedures to ensure consistency, alignment, and reliability of the asset data. This role includes setting performance metrics, aligning policies with TDOT's strategic objectives and regulatory requirements, and driving continuous improvement and operational excellence in data governance.

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. Oversee the integration of the new asset management software into the Division, ensuring responsible fiscal resource use, adherence to planned budgets and schedules, and conducting post-delivery analysis to assess the relationship between quality, resource use, and performance outcomes.

Assist Project Teams, as part of a matrix organization, by communicating data-driven performance targets that improve the overall return on highway transportation investment projects; define asset management-related critical goals and intended outcomes for the scope, schedule, budget, and quality in coordination with the Project Manager; 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 and communicate operations and maintenance concerns.

Oversee the Transportation Data Systems Section by delivering outstanding customer service to both internal and external stakeholders, promoting economic competitiveness through strategic infrastructure investments, ensuring complete and accurate documentation, effective communication, and access to real-time, accurate data. Provide data and analysis to support the Division in achieving the department's performance goals, dashboards, metrics, and objectives. Identify all existing assets and assess available data. Expand the transportation data systems program to incorporate additional data sources and assets, identify gaps in data collection, and establish a framework for standardizing data inputs across departments. Assist and support the implementation of automated tools for data collection and reporting to improve efficiency and access for internal and external stakeholders.

Lead the Transportation Data Section in the development of an asset data audit program, ensuring compliance to the policies, procedures, and guidelines for managing TDOT's information.

Remain current on state and federal requirements related to Transportation Data Systems goals in the governance of asset data and participate in national-level peer exchanges focusing on rulemaking, innovation, communication, reporting, and assessment. In collaboration with the Director of Technical Training, create and update training to assist with increasing the department's knowledge of data governance.

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

Assist in ensuring Transportation Data Systems deliverables are consistent, predictable, and repeatable to provide consistently high levels of achievement, mitigation of risk, and an established track record of success. Manage change effectively by clarifying vision, taking ownership, communicating transparently, and ensuring accountability throughout the transportation data system processes.

Qualifications

- Bachelor's degree in Data Analytics, Economics, Statistics, or another related field
- 8 years of demonstrated competency in a quantitative field, that includes at least 2 years of demonstrated competency in supervision.

Ideal Candidate

The Transportation Data Systems Manager is an experienced leader with a proven track record of successfully navigating the complexities of transportation data management and administrative policies. Their attention to detail sets them apart, as they consistently ensure accuracy and reliability in managing intricate data across multiple

systems. The Transportation Data Systems Manager possesses exceptional communication skills, enabling them to articulate complex concepts clearly with their stakeholders and team. They are problem solvers and thrive in ensuring efficiency and accuracy.