TN TDOT
Department of Transportation

Design Technologies Statewide Transportation Engineer
Technical Training
Nashville, TN
$115,008 annually

Job Overview

The Design Technologies Statewide Transportation Engineer is a statewide transportation engineer position that will facilitate, maintain, and evaluate the outcomes of the TDOT training program for the Bureau of Engineering. This position will implement national best practices and emerging technologies into technical development, technology training, and cross-discipline technical training to lay the framework for safety, performance, sustainability, and efficiency in the delivery of TDOT's transportation system.

This position requires collaboration with TDOT Divisions, Regions, and external stakeholders as part of assessing, implementing, and evaluating TDOT training. The Design Technologies Statewide Transportation Engineer ensures Department policies, technical guidance, procedures, and software are relevant and impactful for incorporation into the planning, design, construction, and maintenance of TDOT's assets.

This position must effectively articulate technical concepts through training, mentoring, and collaborating as part of a matrix organization. The Design Technologies Statewide Transportation Engineer will continuously evaluate performance indicators to ensure safety, increase performance, and mitigate risk as part of fulfilling TDOT's training objectives for the Bureau of Engineering in alignment with the Department's strategic goals.

Essential Job Responsibilities

Manage the BOE Training Workflow in collaboration with TDOT HR and assist in the development of training, technical guidance, and procedures focused on critical transportation competencies that drive performance, incorporate best practices and innovative concepts, and provide professional growth opportunities for new staff as well as continuing education and training for existing staff within the BOE.

Ensure there is a direct relationship between quality and work outcomes by developing, tracking, and implementing metrics for the advancement and implementation of statewide training as per the TDOT Quality Assurance Process.

Implement innovative training tools in partnership with the Technical Proficiency Based Alignment Teams to provide for a more immersive and engaging learning

experience, a safe and controlled training environment, and a reduction in training costs.

Develop and monitor training dashboards to provide for data-driven decision-making, enhanced collaboration with TDOT leadership and relevant stakeholders, and a means to identify trends and patterns that depict the effectiveness of training, implications to safety, and potential costs to TDOT.

Provide exceptional customer service to the Bureau of Engineering by serving as a Subject Matter Expert related to the BOE Training Workflow; maximizing employee engagement through the implementation of continuous improvement initiatives; partnering with Asset Management to understand project goals, industry standards, and opportunities for innovation as part of programmatic projects; addressing concerns from consultants, contractors, suppliers, and other external customers who affect TDOT's training needs; exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Manage the TDOT enterprise system in collaboration with TDOT IT to address acquired knowledge, risk mitigation, and emerging technologies by routinely identifying, documenting, and effectively collaborating with all appropriate TDOT offices and external stakeholders on the incorporation of this data to maximize project successes. Coordinate with TDOT IT to forecast existing software updates and future software needs. Assist TDOT HR in incorporating the use of the Learning Network into potential training needs.

Remain current on transportation industry trends, including standards, specifications, guidelines, and national best practices by participating in the American Association of State Highway and Transportation Officials (AASHTO), industry association, and other appropriate committees. Implement applicable trainings offered through NHI, FHWA, and other relevant agencies.

Perform contract management duties related to the oversight of consultants who are developing technical guidance by defining critical goals and intended outcomes for the scope, schedule, budget, and quality; ensure work products are consistent for maintaining operational efficiency; review consultant invoicing, and complete consultant grading.

Qualifications

- Bachelor's degree in civil engineering
- Licensed Professional Engineer (PE)
- 12 years of demonstrated competency in developing and/or constructing transportation projects

Ideal Candidate

The Statewide Transportation Engineer for Design Technologies is a crucial part of TDOT's training program. They possess a strong ability to collaborate efficiently with all divisions, promoting creativity and resolving issues while taking the lead on training, ensuring a collaboration that extends throughout the Bureau of Engineering. They bring a wealth of technical expertise and problem solving to the team. They are passionate about learning, coaching, and supporting staff. The Design Technologies Statewide Transportation Engineer is highly organized and ensures that all information is handled efficiently, promoting efficient workflows, eliminating redundancies, and ensuring the training program's success.