

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.



Hazardous Materials/Air Quality and Noise Statewide Technical Specialist
Environmental Division – Technical Studies Section, Hazardous Materials/Air Quality
and Noise
Nashville, TN
\$99,864 annually

Job Overview

The Hazardous Materials/Air Quality and Noise Statewide Technical Specialist supports the implementation of innovative concepts that improve performance and increase the sustainability of TDOT's transportation system related to improvements to air quality, reductions in noise effects, and risk mitigation associated with hazardous materials as part of TDOT's transportation projects. The position administers the program consistent with Federal and State law while serving as TDOT's liaison with the Regions. The Statewide Technical Specialist role requires collaboration with multiple TDOT Divisions, project team members, consultants, and other external stakeholders.

The Statewide Technical Specialist ensures Department policies, technical guidance, procedures, software, and systems related to hazardous materials/air quality and noise are current and accurate for incorporation into the project delivery process. This position assists in implementing the Quality Assurance Program as part of the Environmental Division activities to reduce errors, delays, and contractor claims. This position provides statewide guidance and oversight of hazardous materials/air quality and noise strategies and methodologies. The Statewide Technical Specialist assists with monitoring and managing the scope, schedule, and budgets of all hazardous materials/air quality and noise related projects and working with the Project Management Division to make the required adjustments as necessary to ensure that the work completed is in alignment with the Environmental Division's goals.

Essential Job Responsibilities

Provide the Interagency Consultations (IAC) Groups with project information and prepare project-specific PM_{2.5} Hot-Spot Analysis as required.

Determine and conduct the air quality analysis as part of the Project Team and consistent with the PDN in accordance with the Tennessee Environmental Procedures Manual.

Conduct noise studies as part of the Project Team and consistent with the PDN in accordance with the FHWA noise standards, TDOT's Policy on Highway Traffic Noise Abatement, and the Tennessee Environmental Procedures Manual to evaluate

highway traffic noise and the consideration of noise abatement when noise impacts are predicted.

Oversee the expeditious mitigation of previously unidentified hazards encountered during project construction to protect workers and the public and to allow timely progression of the project.

Conduct and/or coordinate air quality, noise, and hazardous materials studies for TDOT Alternative Delivery Contracting projects.

Effectively coordinate with NEPA; Cultural Resources; Ecology; and Mitigation in developing hazardous materials/air quality and noise study documents. Assist Local Governments with air quality, noise, and hazardous materials studies for Local Programs Projects.

Serve on selection committees for professional engineering services, including assistance with RFP development, attendance at project-specific marketing meetings, assistance with determining scoring criteria, assistance with project information sessions, when applicable, serving as a scorer as part of the consultant acquisition process, and attendance at de-briefs for consultants where usable feedback must be provided.

Manage and direct consultants preparing hazardous materials/air quality and noise-related studies and activities. Research and implement emerging technologies that improve efficiency, effectiveness, reliability, and safety of TDOT's transportation network.

Routinely collaborate with HQ and Asset Management to identify and document knowledge on industry best practices to avoid past errors and ensure TDOT project successes. Assist with modifications to all applicable policies, procedures, design standards, specifications, and special provisions. Develop, implement, and maintain statewide policies that promote uniformity and consistency of hazardous materials/air quality and noise studies' documents.

Provide exceptional customer service to both internal and external customers, including mentoring and technical guidance, coordinating with other disciplines as part of a matrix organization, exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively.

Assist in the development of training related to hazardous materials/air quality and noise requirements, analysis, and documentation that addresses acquired knowledge, asset management objectives, risk management, technical design elements, and emerging technologies related to transportation for the purpose of improving team performance, creating a stronger understanding of the transportation industry, inspiring new ideas, and developing skills.

Assist in ensuring hazardous materials/air quality and noise deliverables are consistent, predictable, and repeatable to provide for high levels of achievement, mitigation of risk, and an established track record of success.

Qualifications

- Bachelor's Degree in Natural, Physical, or Environmental Sciences; or Environmental or Civil Engineering; and 8 years of demonstrated competency in an environmental field.

OR

- Master's Degree in Natural, Physical, or Environmental Sciences; or Environmental or Civil Engineering; and 7 years of demonstrated competency in an environmental field.

Ideal Candidate

The Hazardous Materials/Air Quality and Noise Statewide Technical Specialist utilizes critical thinking in high-pressure situations. They excel in assessing and addressing complex issues related to hazardous materials/air quality and noise. The Statewide Technical Specialist is a collaborator who fosters effective communication and collective expertise to achieve goals. They are a dedicated team player who understands the importance of cooperation and coordination with their team and stakeholders.