

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 Senior Technical Specialist

Environmental Division – Technical Studies Section, Hazardous Materials/Air Quality and Noise
Nashville, TN
\$75,204 annually

Job Overview

The Hazardous Materials/Air Quality and Noise Senior Technical Specialist will work independently and in a team setting, providing support and expertise to the Hazardous Materials/Air Quality and Noise Unit, Technical Studies Section, Project Teams, and the Department. This position will assist the Unit Team Lead by providing the Project Teams with technically sound and timely information and deliverables while ensuring compliance with Federal and State requirements pertaining to identification, classification, assessment, documentation, and interagency consultation for hazardous materials/air quality and noise for TDOT projects. This position will apply Quality Assurance/Quality Control processes for hazardous materials/air quality and noise - related products, implement best practices, and mentor and train the team's Hazardous Materials/Air Quality and Noise Technical Specialist. This position will effectively coordinate with the NEPA, Cultural Resources, Ecology, Mitigation, Permits, and Compliance Units to analyze and document hazardous materials/air quality and noise materials impacts and mitigation strategies. This position will assist the Hazardous Materials/Air Quality and Noise Team Lead and Statewide Technical Specialist with the planning and implementation of the Technical Studies Section's performance metrics/plans, schedules and budgets, development of various technical reports, and assurance of continuity and consistency.

The Senior Technical Specialist role requires collaboration with TDOT Divisions, Project Teams, consultants, contractors, and external stakeholders. This position must effectively articulate technical concepts as part of a matrix organization and through training and mentoring. This position will assist with ensuring all Technical Studies Section deliverables are applicable and readily accessible to assist with timely, accurate, and efficient decision-making. The Senior Technical Specialist requires critical thinking with a focus on problem-solving to make well-informed decisions that increase the safety, performance, sustainability, and efficient delivery of TDOT's transportation system.

Essential Job Responsibilities

Conduct air quality analyses as part of the Project Team and consistent with the PDN and in accordance with Unit guidance for all applicable projects.

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

Phase II Environmental Site Assessments Plan and review noise studies conducted by on-call noise contractors 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 Unit guidance to evaluate highway traffic noise and the consideration of noise abatement when noise impacts are predicted.

Identify hazardous material sites, as needed, in proposed project areas. Provide avoidance, minimization, and mitigation recommendations to other Environmental Division units and the PDN Project Team. As needed, provide Scope of Work and provide review of Contractor prepared hazardous material studies.

Participate in Project Teams as part of a matrix organization consistent with the Project Delivery Network (PDN), delivering all products and services as required and providing input at all applicable project milestones, including Project Kickoff, Risk Workshops, Project Scoping Meetings, Field Reviews, and Plans, Specs, and Estimate Meetings.

Assist the Hazardous Materials/Air Quality and Noise Team Lead in the management of external partners, including the negotiation of contracts, review of consultant invoicing, development of scopes, management of contract tasks, and completion of consultant grading.

Coordinate with the Hazardous Materials/Air Quality and Noise Team Lead to assist in the development and delivery of training and technical guidance that addresses acquired knowledge, risk management, technical design elements, and emerging technologies related to improving team performance and developing skills.

Remain current with applicable State and Federal Regulations that impact the deliverables developed by the Hazardous Materials/Air Quality and Noise Team. Provide mentoring to TDOT staff, consultants, and local agencies with respect to the Hazardous Materials/Air Quality and Noise Team.

Provide exceptional customer service to both internal and external customers by exercising effective listening skills, providing prompt responses, maintaining complete and accurate documentation, and communicating effectively. Ensure successful strategic partnerships with Federal Highway Administration (FHWA) and local agencies to effectively implement TDOT's vision statewide.

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
- 3 years of demonstrated competency in an environmental field.

OR

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

Ideal Candidate

The Hazardous Materials/Air Quality and Noise Senior Technical Specialist is a skilled professional who possesses exceptional critical thinking abilities. They are experienced in assessing and addressing complex issues related to environmental projects, and their input is invaluable in developing effective strategies to manage risks and mitigate potential hazards. The Hazardous Materials/Air Quality and Noise Senior Technical Specialist is dedicated to working as part of a team and understands the importance of cooperation and coordination with their team members and stakeholders. They are detail-oriented and meticulous in their work. They analyze data and information with a keen

eye for detail, ensuring that all aspects of the process are addressed. They are also excellent problem solvers and can identify and resolve issues quickly and efficiently.