

**Transportation Project Specialist**  
**Supervisor One**  
**Roadway Design Division, Pavement Design**



This position is in the Pavement Design Section of the Roadway Design Division.

Responsibilities of this position include:

- Apply civil engineering principles to develop and present appropriate pavement design to TDOT engineers, designers and consultants doing work for TDOT for all road projects in Tennessee. Gather data including plans, traffic, soils, cores, road life history, existing pavement records etc. and evaluate data for application in pavement design.
- Examine engineering figures and statistics from reports and data sources by utilizing appropriate software such as the Tennessee Roadway Information Management System (TRIMS), DARWin, WinPAS, MicroStation, and MS Office. Advise consultants and engineering and planning staff on whether to change roadway plans to avoid design problems. Answer technical questions concerning pavement design issues.
- Review roadway plans, traffic, and soil information submitted by engineering, consultants, and contractors to assure plans meet standards set forth by AASHTO, FHWA, and TDOT. Review construction plans for bid lettings and submit detailed comments or recommendations for revision.
- Maintain and update pavement records including PPRM and computer files. Develop and implement a uniform system of records keeping for pavement design that secures data integrity, allows data access for management and analysis, and enhance interdepartmental workflow in the form of a specialized data management system. Maintain historical records of existing pavement information. Keep a log detailing the status of pavement design projects and periodically update log information.
- Provide technical guidance on most difficult problems to TDOT designers and consultants doing work for TDOT. Evaluate such problems, identify possible solution approaches and recommend best solution. Answer technical questions from consultants, engineers and designers.
- Meet with consultants, engineers, planning staff, etc. to review plans and discuss design issues. Attend PS&E and field reviews to advise consultants and designers on technical issues. Consult with representatives from Construction and Materials and Tests to keep abreast of pertinent information and developments. Attend training, lectures, conferences, workshops and meetings to enhance knowledge of pavement related issues.
- Supervise new staff and teach them the fundamentals of pavement design.

The office is located at 505 Deaderick Street, Suite 1200, Nashville, TN 37243