

Who we are:

TDOT is a multimodal agency with responsibilities in aviation, public transit, waterways, railroads, and cycling and walking.

The Department of Transportation (TDOT) has close to 4,100 employees statewide with regional facilities in Knoxville, Chattanooga, Nashville, and Jackson. TDOT's headquarters is located in downtown Nashville.

What we do:

The Tennessee Department of Transportation (TDOT) provides citizens and travelers of Tennessee with one of the best transportation systems in the country.

For more information on this position please see job specification link:

<https://agency.governmentjobs.com/tennessee/default.cfm?action=viewclassspec&classSpecID=99977&viewOnly=yes>



Transportation Project Specialist

Location: Davidson Co.

Compensation: \$4091.00 to \$6546.00 monthly

Overview

The Tennessee Department of Transportation is currently hiring a full-time Transportation Project Specialist for our ITS Office in Davidson County.

The Traffic Operations Division is a Headquarters work unit that establishes policy and procedure, design of capital improvement projects, and provides technical support to Regional TDOT staff. The Traffic Operations Division is responsible for the following operations:

- Management of Traffic Management Center (TMC) & Traffic Incident Management (TIM) programs
- Transportation system performance monitoring and reporting
- Establishing TMC, TIM, & Traffic Engineering guidelines and procedures
- Manage TDOT wireless radio network
- Review of national best practices for Transportation Management & Operations (TSM&O) and emerging technology such as Connected and Autonomous Vehicles
- Support the communication, coordination, and collaboration between Headquarters and Regional offices Research, management, and deployment of ITS projects
- Prepare ITS designs and support deployment of ITS infrastructure.
- ITS Architectures and System Engineering Analysis
- Provide Traffic Engineering legal support for TDOT/State Government (State Traffic Engineer)
- Perform traffic engineering studies (including traffic simulation and analysis)
- Prepare traffic signal, roadway lighting, and roadway signage designs
- Manage state Logo and Tourist Oriented Directional Signs (TODS) programs
- Motorist Information Systems management & support (Tennessee Smart-way, 511, Twitter)

Responsibilities

Under general supervision, is responsible for performing non-routine professional civil engineering work of considerable difficulty related to design of roadway, construction of a roadway, runway, highway and/or bridge, and performs related work as required.

Distinguishing Features: This position is responsible for providing the necessary support to ensure all ITS projects (any project that includes ITS elements) are constructed and all ITS elements are deployed within established schedules and planned funding amounts.

- Document and summarize all personal work activity weekly for the ITS Office's and Traffic Operations Division's use in reporting to senior staff.
- Submit daily check in and check out emails and summary of work activities completed each day by end of the day when working remotely (AWS).
- Update ITS Office project tracking database with any milestone dates (e.g. reviews, submittals) within one week of activity occurring.
- Attend ITS Maintenance Project meetings.
- Support the SmartWay network and device preventative maintenance activities through initiating deployment activities, providing technical support, and monitoring the progress of deployments.
- Attend project related meetings such as pre-construction conferences, progress meetings, special meetings or events as requested by Manager or Supervisor.
- Monitor, and establish alerts for contractor and/or consultant performance and thresholds.

Support the progress of active deployments and construction projects to ensure construction engineering and needed ITS technical support is provided.

- Perform Construction Engineering and Inspection activities for ITS projects as necessary.
- Monitor the progress of active deployments and consultant performance and review project documents and progress payments.
- Support the utilization of engineering services contracts.
- Use the MS Project to review project information and assist in updating such information utilizing PPRM data and other resources and as directed by supervisors.
- Assist in reviewing/processing invoices.

Support the ITS technology to ensure compatibility and synchronization across the SmartWay networks. Support and maintain the ITS Qualified Product lists.

- Review, support, and assist in maintaining the ITS Qualified Product lists.
- Review, support, and assist in updating Special Provision SP725.
- Support and maintain knowledge of the QPL process and approved items.
- Support and maintain knowledge of QPL product submittal processes.
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Support the development and selection of technology solutions with coordination through the ITS Technology Working Group.

- Assist in developing tools that can be used to support the ITS network function and management using available software.
- Assist in researching available technology solution to support the needs as determined by the ITS Technology Working Group.
- Assist in developing evaluation criteria for technology and software to support the selection using approved contracting processes.
- Present Solutions to the ITS Working Group.

Qualifications

Education and Experience:

Education equivalent to graduation from an accredited college or university with a bachelor's degree in civil engineering and experience equivalent to one year of full-time professional civil engineering work; this may include student assistant or college seasonal civil engineering work with the State of Tennessee. Applicant must have passed the National Council of Examiners and Surveys' (NCEES) Fundamentals of Engineering (FE) exam.

Other Requirements

A valid motor vehicle operator license is required.

Competencies (KSA's)

Competencies:

- Problem Solving
- Technical Learning
- Time Management
- Drive for Results
- Written Communication
- Composure
- Integrity and Trust
- Patience
- Self-Development

Knowledge:

- Intermediate knowledge of building and constructing transportation infrastructure and facilities
- Intermediate knowledge of designing transportation infrastructure and facilities
- Intermediate knowledge of engineering and technology
- Intermediate knowledge of relevant codes, regulations, and laws
- Intermediate knowledge of mathematical formulas used in algebra, geometry, calculus, statistics, and graphing
- Intermediate knowledge of materials, statics, dynamics, hydraulics, and other physical principles
- Intermediate knowledge of the transportation system
- Intermediate knowledge of safety laws, rules, regulations and policies, and best Practices

Skills:

- Intermediate application of formulas used in algebra, geometry, calculus, statistics, and graphing
- Effective oral communication to individuals and groups
- Effective written communication through letters, reports, memos, and technical documents
- Reading comprehension of technical reports, laws, rules, policies and procedures
- Intermediate application of scientific rules and methods
- Instructing individuals and/or groups on technical processes and procedures
- Intermediate skill of negotiation
- Skill of service orientation
- Skill of complex problem solving
- Skill in the application and use of office, databases, drafting, modeling, and analyzing software
- Quality control analysis through conducting tests and inspections

- Troubleshooting Judgment and decision making
- Time management

Abilities:

- Deductive and Inductive Reasoning
- Mathematical Reasoning
- Memorization
- Oral Comprehension and Expression
- Problem Sensitivity
- Selective Attention
- Time Sharing
- Visualization
- Written Comprehension
- Written Expression
- Speech Clarity and Recognition
- Visual Color Discrimination
- Using Available Software