

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 Senior

Location: Davidson Co.

Compensation: \$4973.00 to \$7955.00 monthly

Overview

The Tennessee Department of Transportation is currently hiring a full-time Transportation Project Specialist SR 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 support to project deployment process for all ITS projects let to construction to ensure all TDOT deadlines are met.

- 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.
- Monitor failure reporting and issuing RAs.
- Establish alerts for contractor performance and thresholds for applying LDs.

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.
- Coordinate with consultants to provide CEI services to ITS projects when necessary.
- Monitor the progress of active deployments and continuously update of the project timeline with prioritization of the tasks and deadlines.
- Monitor Consultant performance and review and approve progress payments
- Ensure engineering services contracts are current with funding availability and contract time to provide necessary support.
- Use the MS Project timeline to update projects information using data from PPRM and the existing Excel file.
- Produce update reports on the timeline changes from PPRM

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

- Support the update of Special Provision SP725.
- Support the update of the QPL process and approved items.
- Updating product submittal processes by creating submittal matrices.
- Support the submittal process for review, and approval of contents from the contractor.

Support the development and selection of technology solutions with coordination through the ITS Technology Working Group.

- Develop tools that can be used to support the ITS network function and management using available software.
- Research available technology solution to support the needs as determined by the ITS Technology Working Group.
- Develop evaluation criteria for technology and software to support the selection using approved contracting processes.
- Present Solutions to the ITS Working Group.
- Support the advertisement, evaluation and recommend selection for technology products.

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 five years of full-time professional civil engineering work that may include student assistant or college seasonal civil engineering work with the State of Tennessee. OR Possession of a master's degree in civil engineering from an accredited college or university and experience equivalent to four years of full-time professional civil engineering work. 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
- Directing Others
- Time Management
- Drive for Results
- Written Communication
- Presentation Skills
- Composure
- Integrity and Trust
- Motivating Others
- Patience
- Self-Development

Knowledge:

- Advanced knowledge of building and constructing transportation infrastructure and facilities
- Advanced knowledge of designing transportation infrastructure and facilities
- Advanced knowledge of engineering and technology
- Advanced knowledge of relevant codes, regulations, and laws
- Advanced knowledge of mathematical formulas used in algebra, geometry, calculus, statistics, and graphing
- Advanced knowledge of materials, statics, dynamics, hydraulics, and other physical principles
- Advanced knowledge of the transportation system
- Advanced knowledge of safety laws, rules, regulations and policies, and best practices
- Advanced knowledge of production and processing of construction materials
- Advanced knowledge of administration and management principals
- Advanced knowledge of office software, record keeping, and form development
- Advanced knowledge of presentation methods and classroom instruction
- Knowledge of personnel recruitment, selection and training
- Advance knowledge of traffic control devices and applications

Skills:

- Critical Thinking
- 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

- Coordination of processes and people Instructing individuals and/or groups on technical processes and procedures
- Troubleshooting Judgment and decision making
- Time management
- Systems evaluation
- Management of material resources
- Active learning
- Active listening
- Learning strategies
- Monitoring performance of internal and external staff

Abilities:

- Deductive and Inductive Reasoning
- Mathematical Reasoning
- Memorization
- Oral Comprehension and Expression
- Problem Sensitivity
- Selective Attention
- Spatial Orientation
- Time Sharing
- Visualization
- Written Comprehension
- Written Expression
- Control Precision
- Reaction Time
- Speech Clarity and Recognition
- Visual Color Discrimination
- Response Orientation Stamina