



# Intelligent Transportation System (ITS) Engineer

## The Ohio Turnpike and Infrastructure Commission

### Berea, OH

If you want to accelerate your career growth, you need to stop thinking about today. Instead, think year one and beyond. Bring your talents and goals to one of Northern Ohio's vital resources and join the future of transportation.

If you are interested, here's what we can offer you:

- Salary range from \$61,501.18 - \$74,648.86 annually
- Excellent pension and health care benefits
- Generous paid leaves
- Growth and advancement
- Educational assistance and reimbursement

#### Main Job Tasks and Work Characteristics:

- The ITS Engineer shall serve as lead in the development of ITS infrastructure. Work under the direction of the Traffic Engineer on ITS and traffic management system projects.
- Specific responsibilities shall include but are not limited to: develop and produce plans, specifications, and estimates for ITS systems, including fiber optic and wireless communications systems, Closed Circuit Television (CCTV), Digital Message Signs (DMS), vehicle detection systems, Roadway Weather Information Systems (RWIS), Intelligent Work Zones, Smart Lighting, Toll Collection System (TCS), Connected and Autonomous Vehicle (CAV) and other ITS technologies and managed lanes technologies; Coordinates and reviews construction plans, specifications and cost estimates prepared by consulting engineer and/or architectural firms; Monitoring and managing ITS performance (maintenance and appropriate service contracts); Developing Standard Operating Procedures (SOPs) for ITS operation and maintenance; Customization of existing systems to leverage data for traffic engineering purposes; Dashboard development for reporting/tracking ITS assets; Develop Specifications for implementation of new systems; Coordinates work elements with in-house maintenance staff, contractors, government agencies, organizations and the public; Participates in the coordination of planning, resource allocation and budget development to ensure efficient program performance; Research innovative applications of technology to various fields of transportation, and develop and present solutions; Perform preliminary field engineering (field equipment testing, utility, and infrastructure verification, i.e. taking measurements and pictures at field sites); Write technical reports and memoranda; Participate in Statewide committees regarding ITS; Processes and coordinates the advertising of construction documents for bidding; Assists in reviewing, coordinating and resolving construction, maintenance and traffic problems with consulting engineers, testing laboratories, contractors, Ohio Turnpike and Infrastructure Commission Maintenance, and Highway Patrol; Assists in monitoring and inspection of construction projects; Performs any other duties as may be assigned by the Traffic Engineer; Responds to questions and inquiries from the general public, contractors, consultants, and agency staff in area of expertise; Provides technical assistance in preparation of public education materials, outreach documents, and public meeting presentations; Work with Technology Department regarding data acquisition and management; Interact with various levels of OTIC management to educate, seek guidance and establish mechanisms that allow for accelerated adoption of ITS.
- Ability to comprehend and interpret a variety of professional engineering principles, techniques, procedures, criteria, plans and specifications and related data; define problems, collect data, establish facts and draw valid engineering/technical conclusions; handle routine and sensitive contacts with government officials, consulting firms, contractors and general public; plan and develop engineering projects with unique or controversial problems and/or novel engineering related concepts and approaches. Ability to craft well-written specification and contract language for various turnpike materials and services; familiarity

with agency codes, regulations and specifications and knowledge of various governmental and/or organizational regulations.

**Unusual Working Conditions:**

- The predominant work environment is the office; however, must be physically capable and sufficiently agile to perform a variety of field activities, which may require climbing, walking, running and lifting, visual and auditory observations. The work environment includes driving and field inspections during the day and night. May be exposed to extreme weather conditions, dirt, grease, dust, unpleasant odors, confined spaces and loud noises while working outdoors. Must be able to navigate construction work sites on foot. Some climbing of ladders or obstacles may be required. May require varying work hours based upon construction season and projects. Required to travel throughout the distance of the Ohio Turnpike.

**Minimum Qualifications:**

- Required Qualifications and Skills: Project experience in ITS planning, design and/or traffic operations; Minimum three years of experience in field of Intelligent Transportation Systems or Information Technology conducting similar services; Bachelor's Degree in Engineering or related field; Experience with ITS equipment and/or communications systems (cellular, fiber, wireless); Experience with FHWA Systems Engineering Process (Concept of Operations, ITS Architecture, System Requirements); Strong technical writing skills; Possession of State of Ohio Professional Engineer's License (Civil preferred) or the ability to obtain a State of Ohio Professional Engineer's License (Civil preferred) within two years; Must possess proficiency in the use of computer equipment and programs including electronic drafting software (AutoCAD, Micro Station), Outlook, Access, Excel and Word; Strong written and oral communication skills are required; Must possess and maintain a valid driver's license.

**Application Process:**

Those interested may obtain a copy of the employment application [HERE](#). Individuals must print the application, fill out using a blue or black pen, and send it along with a cover letter and resume via U. S. mail to:

The Ohio Turnpike & Infrastructure Commission  
Attn: Human Resource Generalist  
Human Resources Department  
Reference Code: ITS Engineer  
682 Prospect Street  
Berea, Ohio 44017

**Applications will be received until Thursday, October 17, 2019 at 5:00 p.m.**

***The Ohio Turnpike & Infrastructure Commission provides equal employment opportunities to all employees and applicants for employment and prohibits discrimination and harassment of any type without regard to race, color, religion, age, sex, national origin, disability status, genetics, protected veteran status, sexual orientation, gender identity or expression, or any other characteristic protected by federal, state or local laws.***

