



MAINE TURNPIKE AUTHORITY Job Description

Job Title: Transportation Planner / Traffic Engineer
Department: Engineering
Pay Range: Professional/Technical 19
FLSA Status: Exempt
Reports To: Engineering Program Manager

Summary

The Transportation Planner / Traffic Engineer is responsible for analyzing, designing, and implementing transportation projects that benefit the Authority's role in regional mobilization. Responsibilities include collaborating with stakeholders, conducting and reviewing traffic studies, developing traffic management strategies, and supporting the MTA Engineering, ITS and Public Relations departments in the planning, development and construction of transportation projects.

Essential Job Functions

These functions reflect management's assignment of essential duties; it does not prescribe or restrict all the tasks that may be assigned.

- Supports the MTA Engineering Department in the delivery of transportation projects with effective and timely collaboration with MTA staff, MaineDOT and municipalities.
- Supports the MTA Engineering and ITS departments by conducting traffic impact analyses and traffic flow studies to inform planning decisions.
- Works with MTA ITS and Engineering Departments to develop and evaluate traffic management strategies, including signage, striping, traffic signal, intersection and interchange design.
- Collaborates with MTA Public Relations staff to assist in the generation of easy-to-understand project information including summary sheets, map-based graphics, and interactive web-based maps.
- Prepare transportation planning documents, reports, and presentations for stakeholders and regulatory agencies.
- Review traffic modeling and simulation software results to forecast traffic patterns and assess project impacts.
- Monitor and evaluate existing traffic conditions, identifying areas for improvement.
- Develop and review Maintenance of Traffic plans, standard details and specifications.
- Develop and analyze hourly and daily traffic data throughout the Turnpike system.
- Review and analyze crash data as it relates to recommendations for prioritizing improvements.
- Stay current with emerging trends, technologies, and best practices in transportation planning and traffic engineering.
- Present at public meetings and manage consultants as needed.
- Leads planning projects and studies for the Authority as assigned.
- Fosters good relationships with municipalities and regional planning organizations.

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. Reasonable accommodations under applicable law may be made to enable qualified individuals to perform these essential functions.

Position Qualifications

- Bachelor's in Transportation Planning, Civil Engineering, Traffic Engineering, or a related field.
- Proven experience (5+ years) in transportation planning or traffic engineering.
- Professional engineering license or transportation planning certification (preferred).
- Experience in traffic analysis and modeling software (e.g., Synchro, VISSIM) (preferred).
- Understanding of traffic engineering principles, traffic signal design, and roadway safety.



- Understanding of work zone safety, signing and striping design, and signal design in the Manual on Uniform Traffic Control Devices and other current design guides.
- Excellent analytical, problem-solving, and communication skills.
- Ability to work effectively with multidisciplinary teams and stakeholders.
- Strong organizational skills to maintain project schedules within budget.
- Possess and maintain a valid and unencumbered State of Maine Class C driver's license.

Working Conditions/Physical Demands

- Ability to work for intermittent periods sitting at a desk in front of a computer and the ability to focus.
- Requires close visual acuity and ability to adjust focus quickly.
- Specific vision abilities are close vision, distance vision, color vision, peripheral vision, depth perception, and ability to adjust focus and drive at night.
- Must be able to regularly lift/move up to 10 pounds, frequently lift/move up to 25 pounds.
- Ability to work at active construction projects sites with exposure to wet and/or humid conditions, moving mechanical parts, fumes or airborne particles, and year-round outside weather conditions.
- Exposure to maintenance and construction activities where the noise level is loud.
- Exposure to the dangers of moving vehicles.
- Normal hours of work are eight (8) hours per day, forty (40) hours per week, Monday to Friday, though this position is subject to some non-routine hours; must be available to come in early or work late on occasion.