

Position Specification: Chief Traffic Engineer
Organization: The Port Authority of New York & New Jersey
Location: World Trade Center
Reporting Relationship: Chief, Design

Mission Statement

Meet the critical transportation infrastructure needs of the bi-state region's people, businesses, and visitors by providing the highest quality and most efficient transportation and port commerce facilities and services to move people and goods within the region, provide access to the nation and the world, and promote the region's economic development.

Background

Founded in 1921, the Port Authority of New York and New Jersey builds, operates, and maintains many of the most important transportation and trade infrastructure assets in the country. The agency's network of aviation facilities, which consist of John F. Kennedy (JFK), Newark Liberty International (EWR), LaGuardia (LGA), Stewart International (SWF) and Teterboro (TEB) airports, ground, rail, and seaport facilities is among the busiest in the country, supports more than 550,000 regional jobs, and generates more than \$23 billion in annual wages and \$80 billion in annual economic activity. The Port Authority also owns and manages the 16-acre World Trade Center site, which is now the tallest skyscraper in the Western Hemisphere.

Responsibilities

Reporting to the Chief of Design, the successful candidate is responsible for directing all Traffic Engineering Services for the Port Authority's Capital and Operating Programs, as well as Operational Support for the Aviation, Tunnels, Bridges and Terminals, PATH, WTC, and Port Departments, and serves as the Traffic Engineering subject matter expert, providing guidance and advisory services to senior Port Authority executives. Traffic Engineering role can be best defined as the DOT of the Port Authority and it has the unique and critical Agency responsibility to establish and implement the rules and regulations for the public-facing multi-modal transportation system.

- The Traffic Engineering services include transportation planning, design, operations, safety, modeling, data analytics and technologies in support of the operations of all Agency facilities, as well as the effective delivery of the State of Good Repair and Major Agency Programs.
- The Chief Traffic Engineer is responsible for producing high quality, innovative, and cost-effective transportation facility designs, that meet the Agency's Program requirements and provide transportation assets that enable world class customer experiences.
- The Chief Traffic Engineer is responsible for all Traffic Engineering services, that include roadway geometric design; traffic planning studies; ITS systems design and operation; Maintenance of Traffic/Construction support; facility traffic operations support, responsible for 24/7 PA-Agency Operations Center, the Agency's Traffic Safety Program; and design and legal authorization of traffic control devices, including signs, roadway markings, traffic signals and ITS devices.
- The Chief Traffic Engineer oversees recruiting, hiring, training, salary administration, promotions, the overall professional development, and motivation

of approximately 40 or more assigned staff members, including Port Authority staff and consultant staff; takes action to address performance problems; actively engages in internal and external professional development opportunities and industry organizations; and fosters an inclusive workplace where diversity and individual differences are valued and leveraged to achieve the vision and mission of the organization..

Qualifications

Candidates must present the following qualifications to be considered eligible for this position:

- Bachelor's Degree in Engineering, preferably Civil Engineering, from an accredited college or university
- Master's degree in Traffic Engineering or Transportation Planning
- Licensed to practice Engineering in NY and NJ
- 15 or more years experience in the field of Traffic Engineering, managing, and developing complex programs and projects that include the following specialty areas of traffic engineering and transportation planning: traffic planning studies; geometric design; traffic operations and 24x7 operations centers; traffic control devices and systems; traffic safety studies; ITS systems; traffic and pedestrian modeling; parking and toll plaza design; and Maintenance of Traffic/Construction support
- Experience managing a large, full-service staff of at least 20 Traffic Engineers and support staff in the production of large Airports, Ports, Transit, Bridges and Tunnels transportation programs and projects through all phases of design, construction, and operation
- Successful implementation and leading of a diverse and productive workforce through staff rotations and mentoring to develop technical experts, managers, and future leaders
- Strong conceptualization, problem solving and decision-making skills as evidenced from experience in planning, directing, and managing both routine and large-scale transportation programs and projects
- Working knowledge of all codes, laws, standards, and guidelines applicable to the planning and design of public roads and transportation facilities
- Working knowledge of comparable unique and complex multi modal transportation facilities similar to the Port Authority of NY & NJ Facilities
- Proven experience leading the transportation operations of a diverse portfolio of multi modal facilities via a Centralized Operations Center, which functions to bring real-time traveler information across a regional network
- Proven experience leveraging transportation data to make real-time and informed critical decisions during construction as well as day-to-day operations.
- Thorough understanding of regional mobility issues and innovative thinking resulting in effective and efficient solutions to transportation problems
- Ability to look "above and beyond" to enhance safety and find a more efficient transportation system now and for the future, which often involves refusing to be tied down to traditional "business-as-usual" practices
- Proven experience to develop and implement policies and strategies for a unified and structured approach to planning, developing, and implementing Transportation Management Plans for complex Capital Programs
- Proven experience working with Regional transportation partners to coordinate and implement seamless traveler information systems across a transportation region, leveraging technologies to bring about operating efficiencies while

enhancing environmental performance, reducing costs, and promoting transportation system sustainability

- Proven track record of successfully leading multiple stakeholders with associated institutional barriers to implement focused and enterprise-level, multimodal transportation, and transformative technology deployments, including advanced transportation management systems such as GIS based solutions, transportation asset management, crash monitoring systems, transportation data analytics with associated dashboard visualizations, and lane closure management tools

Desired

Ideal candidates will present the following profile:

- Superior oral and written communication and presentation skills including experience making planning and traffic engineering presentations in front of large client groups, community groups and Executive level staff
- Results oriented, with a strong customer focus
- Ability to promote the work of the team
- Rapid adaptability to new information, continuous improvement, changing conditions, or unexpected obstacles