

Company: Gateway Development Commission
Job Title: Deputy Chief Program Delivery, Tunnel Systems
Location: New York/ New Jersey
Job ID: 2-020

Summary of Responsibilities

The Gateway Development Commission is seeking a highly qualified engineering professional with knowledge of both public sector transportation and private sector experience to support the Chief of Program Delivery Officer (CPD) and the Chief Engineer (CE). This position will support the CPD and CE in overseeing the technical elements, specific to tunnel systems, of project design and construction of the Gateway Development Commission's capital projects. This role will help ensure that projects are delivered within scope, budget, and schedule, and ensure that the assets created will be fit for purpose and able to be operated and maintained efficiently.

Essential Functions

- Administer executive oversight of technical elements of project design and construction with respect to tunnel planning, design, and construction work elements during environmental, design and construction phases of the project.
- Oversee design development progress and design interfaces specific to tunnel systems.
- Support CPD and CE by identifying and mitigating project progress and other delivery issues.
- Facilitate coordination with other cooperating agencies involved with project delivery and external organizations and departments that will participate in the project development to ensure that the proper requirements, interfacing, and consensus are achieved, specifically with respect to interconnections at portals, types of equipment, and operational requirements.
- Oversee and coordinate tunnel track and facility (e.g., ventilation/fire life safety, MEP, communication, power, OCS, signals) systems planning, design and construction work elements during environmental, design and construction phases of the project.
- Oversee development of related elements for various tunnel alternatives, including comparative analyses to arrive at preferred alternative related to tunnel systems.
- Coordinate and oversee development of planning schemes, and design and construction packages for systems interconnection at portals, ventilation shafts and stations.
- Coordinate and oversee design integration with adjacent design units (tunnel, portals) upstream and downstream connections.
- Coordinates and oversees configuration control process that monitors system baseline configuration and identifies changes with right-of-way, cost and schedule implications.
- Facilitate and coordinate external design submittal reviews, as required.
- Facilitate and coordinate responses to environmental report comments as well as comments on design at different stages of design development.
- Participates in design submittal reviews.

Minimum Qualifications

- Bachelor's degree in engineering.
- Licensed as a Professional Engineer in the State of New York and/or New Jersey, or licensed in another jurisdiction with ability to obtain New York or New Jersey license through reciprocity or equivalent.
- A minimum of 10 years of demonstrated experience in infrastructure projects with specific experience in tunnel engineering.
- A thorough understanding of the technical complexities of major infrastructure projects and relevant technical best practices and innovations.
- High level analytical and creative skills to find practical solutions to complex and technical problems.
- Demonstrated experience operating and executing in complex, multistakeholder environments.
- Ability to establish a vision and create an environment for excellence.
- Demonstrated record of ethics and high standards.

Preferred Qualifications

- Understanding of project relating to tying in with existing operating system and importance of maintaining continuous system service.
- Demonstrated understanding of rail systems.
- Excellent listening, written and oral communication skills.
- Experience conducting building impact assessments for tunneling or deep excavation projects including structural survey program.
- Experience implementing a large-scale geotechnical instrumentation & monitoring program, preferably for underground construction.
- Understanding of roles and responsibilities to properly coordinate with tunnel and system project components.
- Understanding of project tying in with an existing operating system and importance of maintaining continuous system service.
- Excellent listening, written and oral communication skills.
- Experience leading the tunnel rail systems design and construction.
- Experience on projects with multiple internal and external project stakeholders.
- Understanding of NFPA 130 guidelines.

Compensation & Benefits

- Competitive Salary
- Medical, Prescription, Dental, Vision Benefits subject to employee contributions
- Medical and Dependent Care Flexible Spending Accounts
- Life Insurance
- Commuter Benefits
- 401(a) Retirement Plan (6% of employee's salary funded by GDC)
- 457(b) Retirement Plan – (Pre-Tax Salary Contributions Elected by Employees)
- Earned Vacation (20 days per year) and Sick Time (12 days per year)

- Paid holidays

Project Background

The Gateway Program is the most urgent infrastructure program in the country – a comprehensive set of rail investments that will improve commuter and intercity services, add needed resiliency and, in its later stages, create new capacity between Newark, New Jersey and New York City, the busiest section of the Northeast Corridor (NEC). The NEC between Boston, Massachusetts and Washington, D.C. is the nation’s busiest rail corridor, supporting a region that produces 20% of the Gross National Product. The 10-mile segment of the NEC within the scope of the Gateway Program carries over 200,000 daily Amtrak and NJ TRANSIT passenger trips on approximately 450 trains during non-pandemic conditions and is a vital artery in the region.

The first phase of the Gateway Program includes the Hudson Tunnel Project, which includes the construction of a new two-track tunnel under the Hudson River connecting to Penn Station New York as well as the full rehabilitation of the existing 110 year-old North River Tunnel. The project would create operational flexibility, rail network redundancy, and resiliency against future impacts to the Hudson River rail crossing. Environmental review for the project was completed in May 2021.

The Gateway Development Commission, established through bi-state legislation, is responsible for the financing and development of the Hudson Tunnel Project. The Commission is governed by a Board of 7 Commissioners appointed by each of Amtrak, New Jersey, and the New York State Department of Transportation, and works in partnership with Amtrak, NJ TRANSIT and the Port Authority of New York and New Jersey.

The Gateway Development Commission is proud to be an Equal Opportunity Employer and administers all personnel practices without regard to race, color, religion, sex, national origin, sexual orientation, disability, protected veteran status or military status, or any other category protected under applicable law. We encourage qualified people from all backgrounds to apply.

To apply, please email your cover letter and resume to jobs@gatewayprogram.org with the job title “Deputy CPD - Systems” in the subject line.