

**Gateway Development Commission**  
**Deputy Chief Technical Officer, Tunnel Engineering**  
**Job Description**  
**Job ID 3005**

Summary of Responsibilities

The Gateway Development Commission is seeking a highly qualified engineering professional with knowledge of both public sector transportation and private sector tunnel construction to support the Chief Technical Officer (CTO). This position will support the CTO in overseeing the technical elements, specific to tunnel engineering, 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 during environmental, design and construction phases of the project.
- Oversee design technical development progress and design interfaces with partner agencies specific to tunnel engineering.
- Support the CTO 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.
- Interface with partner agencies with respect to development of tunnel alternatives and comparative analyses to arrive at preferred alternative.
- Interface with partner agencies in the development and execution of phased subsurface investigation program to meet environmental phase and preferred project delivery approach, and to manage subsurface risks.
- Oversee planning and execution of geotechnical engineering to meet design and risks process requirements.
- Oversee and coordinate tunnel design elements including value engineering and peer review processes to arrive at the least environmentally impactful and most practical tunnel option that meets environmental commitments.
- Coordinate temporary and permanent easement requirements; construction staging/laydown areas; spoil storage, transportation and disposal; construction power and other temporary utility needs.
- Support activities related to industry outreach and external stakeholder engagement including both public and private entities.
- Support and oversee design integration with adjacent design units (surface/portals, systems).

- Support and oversee configuration control process that monitors the tunnel project baseline configuration and identifies changes bearing 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.
- Participate 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

- Experience leading tunnel design and construction of a complex rail transit system.
- Experience with planning for tunneling projects in built environment, urban areas.
- Experience with project stakeholders.
- 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 project as it relates to an existing operating system and importance of maintaining continuous system service.

To apply, please email your cover letter and resume to [jobs@gatewayprogram.org](mailto:jobs@gatewayprogram.org) with the job title "Deputy CTO – Engineering" in the subject line. *All applications for this position will also be automatically considered for all Deputy CTO roles (job IDs 3005, 3006, 3007).*

