

Job Title	Senior Design Manager
Job ID	40045
Location	4 World Trade Center

Responsibilities

Reporting to the Chief of Design and working closely with the Office of the Chief Engineer, the Engineering Senior Design Manager directs multi-disciplinary teams so design/technical services progress logically and timely for the successful delivery of the conceptual, preliminary, and final design project services, and ensures sufficient design support during construction, commissioning, and project closeout. The Engineering Senior Design Manager serves as the primary technical point of contact for the projects in a project portfolio. The Engineering Senior Design Manager serves as the liaison between the Engineering Program Executive and the technical design discipline project team during planning/scoping, design, and construction stages of the project. They work cooperatively with the Engineering Program Executive and Senior Engineer of Construction.

The Engineering Senior Design Manager is responsible for the interdisciplinary coordination and establishment of well-defined controls to support the quality control and quality assurance processes of the project's technical design components to meet scope requirements and priorities, is accountable for the prevention of design and contract document problems, including conflicts, interferences, and errors/omissions, and researches and recommends solutions to resolve design and construction document problems should they exist. The Engineering Senior Design Manager is transparent, timely and accurate in communicating technical changes affecting scope, schedule, budget, and the engineering project risk register to the Engineering Program Executive for vetting and approval. And, they rapidly communicate approved engineering changes to affected disciplines to eliminate scope creep and rework. The Engineering Senior Design Manager also mentors and trains technical staff on best practices and for succession planning (for design manager roles). These efforts require the Engineering Senior Design Manager to manage direct and non-direct reports.

Please note that we will be hiring four (4) individuals for this position

Responsibilities include:

1. Leading design/technical delivery, and service engineering support

- Serves as the primary technical point of contact for a Line/service department project portfolio. Project portfolios may be organized by Line/service department (like TB&T) or be a multi-project group at Facilities (like NJ Airports), depending on number, size, and complexity of design/technical services for the Line/service department.
- Directs multi-person, multi-disciplinary project teams comprised of Port Authority Engineering Architecture Design Division employees, and consultants (if required), in the production of the portfolio's engineering design/technical deliverables.

- Provides workload planning of the project portfolio to manage design milestones.
- Ensures design/technical services within projects progress logically and timely for the successful delivery of the conceptual, preliminary, and final design project services, and ensures sufficient design support is provided during construction, commissioning, and project closeout.
- Accountable for the interdisciplinary coordination and establishment of well-defined controls to support the quality control and quality assurance processes of the project's technical design components to meet scope requirements and priorities.
- Accountable for the prevention of design and contract document problems, including conflicts, interferences, and errors/omissions, and researches and recommends solutions to resolve design and construction document problems should they exist.
- Understands the capabilities of the Engineering Architecture Design Division and coordinates Line/service department needs for service engineering with the Design Discipline Chiefs. Responsible for submitting budget estimates for service engineering services for the Line/service department as determined through coordination with disciplines, however the Design Discipline Chiefs are responsible for the service engineering delivery once budget and charge code is extended.

2. Communication

- Serves as liaison between the Engineering Program Executive, who is responsible for the overall engineering project delivery performance, and the technical design project team.
- Is transparent, timely and accurate in communicating technical changes affecting scope, schedule, budget, and the engineering project risk register to the Engineering Program Executive, for their vetting and approval.
- Advises the Engineering Program Executive of technical best practices, Port Authority Engineering Architecture Design Division subject matter expert knowledge of facilities, standards, codes, that can provide best value and innovation, all to reduce risk and safeguard successful delivery. Communication of these aspects at the scoping/planning is logical and timely to support effective development of the scope, schedule, and budget of in-house service engineering when a project is being delivered by a consultant.
- Rapidly communicates approved engineering changes to affected disciplines to eliminate scope creep and rework.
- Reports project progress, issues and mitigative strategies to the Chief of Design, and communicates and plans staffing needs with the Engineering Architecture Design Division Unit Managers/Discipline Chiefs.
- Advises the Office of the Chief Engineer on technical matters pertaining to the project/project portfolio.

3. Process

- Assists in preparing the scope by providing the multi-discipline technical requirements of the scope. Advises the Engineering Program Executive in their development of the budget, schedule, and engineering project risk register.
- Always ensures adequate allocation of resources and that proper support is being given and timely responses are being made in what can be a fast-paced work environment (inclusive of planning/scoping, design process, contractor bidding process, construction, and close-out).
- Works cooperatively with the Engineering Program Executive and Senior Engineer of Construction and respective stakeholders to proactively identify and resolve project issues to minimize impacts to the project scope, budget, and schedule.
- Accountable for the interdisciplinary review of design and contract documents to validate the completeness of work in accordance with the project scope, construction budget and schedule. Can retain and manage an independent reviewer either through use of in-house staff or consultant, if warranted. Assures discipline-specific QA/QC tasks are complete.
- Provides multi-disciplinary audit for consultant delivered design/technical services in accordance with Department Guidelines.
- Leverages value engineering, innovation, and industry and global best practices to achieve the project goals with the best value possible.

4. People

- Prepares multi-disciplinary Design resource projection needs in collaboration with Design Discipline Chiefs and Engineering Program Executives, based on project requirements and ensures procurement process to retain consultants, as needed, hires qualified teams to deliver the scope requirements and priority.
- At times, may delegate day-to-day technical oversight, reviews, and tasks to qualified staff to balance workload and achieve results, but they hold the accountability of the tasks.
- Acts as subject matter expert to Engineering Program Executive/Engineer of Projects team for consultant solicitations, proposals, selections, negotiations, and change orders.
- Embraces mentoring and coaching of others and project team.
- Supports the Chief of Design, and partners with Engineering Architecture Design Division Unit Managers/Discipline Chiefs, other Engineering Senior Design Managers, and Division Information Security Officer(s), to maintain a positive work environment for employees and consultant teams, for focus on quality, continuous improvement, innovation, efficiency, balanced workload planning, employee engagement and the Agency Priorities and Standards.

5. Financial

- Prepares the construction estimate (Engineer's Estimate) throughout the Design stages and update if scope changes occur. Provides a multi-disciplinary peer review of design

deliverables if the construction estimate exceeds the available budget. If the construction estimate notably exceeds the available budget, performs formal Value Engineering.

- Ensures engineering soft costs are sufficiently allocated for Design staff and manages to staff cost budgets throughout the project lifecycle.
- Applies accepted and approved changes that results from value engineering to achieve best value.

Qualifications

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

- Bachelor's Degree in Engineering or Architecture from an accredited college or university
- Licensed to practice Engineering or Architecture in New York and New Jersey
- A minimum of 10 years' experience in progressively more responsible positions in the design of transportation facilities
- Experience managing a large full-service, multi-discipline technical project team engaged in all phases of engineering design for transportation facilities
- Demonstrated ability to foster collaboration, teamwork, and creativity to solve problems in a fast-paced, cross-functional, and multi-disciplinary environment
- Ability to successfully lead project teams, progressing design/technical services logically and timely, meeting project schedule, budget, and program requirements, and proactively recognizes risks associated with multi-disciplinary design services
- Ability to maintain a positive environment, set goals, provide incentives, recognize achievements, provide discipline, and escalate issues warranting support of others
- Valid driver's license
- Internal applicants must meet performance and attendance standards and have completed all probationary periods. Applicant's attendance and job performance records will be reviewed in accordance with Port Authority policy

Desired

Ideal candidates will present the following profile:

- Strong conceptualization, problem solving and decision-making skills as evidenced from experience in planning, directing, and managing routine, large-scale, and technically challenging design services for transportation programs and projects
- Superior oral and written communication skills, strong interpersonal skills, and experience in negotiation and conflict resolution
- Ability to promote the work of the team

<https://www.jointheportauthority.com/jobs/9041365-senior-design-manager>

- Rapid adaptability to new information, continuous improvement, changing conditions, or unexpected obstacles; and track record of acting decisively and effectively under pressure
- Results oriented, with a strong customer focus
- Thorough knowledge of the Port Authority of New York and New Jersey Engineering's delivery process including design and construction management, construction cost estimating and project budgeting and scheduling processes
- Demonstrated experience with alternative procurement strategies
- Comfortable working in a matrix organization
- Working knowledge of applicable building codes and laws governing design in the Port Authority of New York and New Jersey region
- Experience as a supervisor overseeing the day-to-day performance of two or more direct reports

Compensation & Benefits

The Port Authority of New York and New Jersey offers a competitive salary, an outstanding benefits package and a professional environment that supports development and recognizes achievement.

How To Apply

Interested candidates should apply to this job by clicking on the Apply Now button (<https://www.jointheportauthority.com/jobs/9041365-senior-design-manager>) and submitting a combined cover letter and resume. The Port Authority of NY & NJ welcomes veteran and military spouse applications.

Only applicants under consideration will be contacted.

About The Port Authority

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, 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, where the 1,776-foot-tall One World Trade Center is now the tallest skyscraper in the Western Hemisphere.

EQUAL OPPORTUNITY EMPLOYER

The Port Authority of New York & New Jersey/Port Authority Trans-Hudson (PATH) is an Equal Opportunity Employer.