

# Infrastructure Services

Structural Engineering • Construction Inspection & Administration  
Waterfront Engineering





**M**aser Consulting’s dedicated team of professionals brings a combination of specialized skills and multi-discipline project management experience to both public agencies and private clients. Through solid planning, proven oversight and a track record for efficient project execution, our experts provide all aspects of project deliverables, from design through construction completion, for a wide array of infrastructure projects including utilities, roads and bridges, public facilities, buildings, dams, marine and waterfront and other capital improvements. Our in-depth expertise in construction practices has earned us an outstanding reputation for cost and schedule containment and risk analysis to minimize potential project delays.

# Single Source Solution



## Structural Engineering

Our structural engineering professionals provide the technical assistance our clients need to evaluate the integrity of their existing inventory of structures and the experience to rehabilitate or design new structures as needed. Maser Consulting’s reputation for providing hands-on engineering excellence, while exceeding clients’ expectations, has made us a leader in providing creative solutions for multiple project types including buildings, bridges, towers, dams and marine structures constructed of steel, timber, reinforced concrete or masonry. Streamlined coordination with other in-house services has facilitated an efficient approach and complete engineering package that spans all phases of structural design and construction from feasibility studies, scope and condition assessment, to code compliance review, static/dynamic load analyses and planning of rehabilitation and replacement alternatives.

- Structural Evaluation, Analysis & Design
- Rehabilitation, Repair & Restoration
- Structural Inspection & Condition Assessments
- Code Compliance Review
- Forensic Engineering/Failure Analysis
- Structural Project Planning & Scope Assessment
- Design Review/Value Engineering
- Owner Representation
- 3D Computer Modeling
- Storm Damage Assessment & Repair Design
- Construction Support & Inspection

## Construction Inspection & Administration Services

Our construction inspection and administration professionals provide full-spectrum project construction oversight that includes administration, inspection, cost control, schedule analyses and material testing. Certified by the *National Institute for Certification in Engineering Technologies* (NICET), our inspectors have extensive on-the-job experience in supervision, observation and inspection. This ensures that as each project progresses, required daily schedules and cost constraints are adhered to and construction materials are procured and constructed safely according to the project plans and specifications.

### CONSTRUCTION INSPECTION & MANAGEMENT

- Resident Engineering & Field Inspection
- Construction Supervision
- Project Scheduling, Critical Path Method (CPM)
- Design, Constructability & Value Engineering Review
- Cost Estimating
- Permit & Contractor Submittal Review
- Utility Coordination

- Change Order & Field Conflict Resolution
- Construction Risk Identification & Avoidance
- Quality Control/Field Material Testing

### OWNERS’ REPRESENTATION

- Contract Administration
- Design Team, Owner & Project Liaison
- Project Accounting Management
- Project Closeout & Commissioning Assistance

## Waterfront Engineering

Maser Consulting is a recognized leader in the design, permitting and construction administration of waterfront development, providing marine engineering services to a wide variety of clients including waterfront industries, marina and harbor port owners, coastal developers, local, state and federal governmental agencies and utility companies. We have substantial capabilities in managing large marine construction activities and a particular expertise in navigating the complex permitting process associated with the sensitive waterfront environments and the specifics of coastal regulatory issues.

- Structural Rehabilitation Design
- Shoreline Stabilization & Beach Replenishment
- Waterfront Infrastructure Design
- Marina & Boat Ramp Design
- Sea Wall, Bulkhead, Pier & Breakwater Design
- Inspection & Damage Assessments
- Hydrographic Surveying
- Riparian, Lease & License Investigation
- Waterfront Permitting
- Contract Administration & Inspection
- Wetlands Delineation, Mapping & Mitigation



*Civil/Site • Traffic/Transportation • Public • Survey/Geospatial*  
**Infrastructure** • *Geotechnical/Environmental • Telecommunications • Energy*

Corporate Headquarters  
331 Newman Springs Road, Ste 203  
Red Bank, NJ 07701  
1.877.627.3772

Maser Consulting is a multi-discipline consulting and engineering design firm providing customized solutions for public and private clients through a network of offices nationwide.

For a full listing of our office locations, please visit our website  
[www.maserconsulting.com](http://www.maserconsulting.com)



**Engineers • Planners • Surveyors • Landscape Architects • Environmental Scientists**