

FEDERICA MERCURIELLO

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OVERVIEW

Federica Mercuriello has more than 10 years of international experience in the construction industries working in multiple highly recognized projects. She has significant structural experience in buildings and underground structures and a comprehensive knowledge of proposal process, managing proposal schedules and deadlines. Proven ability to complete projects according to specifications, on time and within budget.

EDUCATION

- **M.Sc.** **January 2009 – December 2010**
Master in Civil Engineering
Columbia University, New York 2010
- **M.Sc.** **July 2006 – July 2008**
Master in Building Engineering
University of Rome Tor Vergata
- **B.Sc.** **September 2002 – July 2006**
Master in Building Engineering
University of Rome Tor Vergata

SKILLS

- Proven skills in leading a team of engineers, architects and drafters to produce high quality contract documents under tight deadline pressure
- Comprehensive knowledge of concrete and steel design standards and codes
- Strong ability to track projects, prioritize tasks and meet urgent deadlines
- Superior presentation and interpersonal skills
- Able to establish good relationship with clients and maintain lines of communication.
- Entrepreneur and business motivated

WORK EXPERIENCE

- **Norwegian Cruise Line (Miami)** **04/2019-04/2020**
PROJECT: NCL Terminal
Responsibilities: Project Manager responsible for monitoring the project plans in accordance with the contract terms and client's. Lead and manage a team and make key decisions regarding performance. Responsible in preparing cost budgets and detailed to take off as well as preparing all shop drawings and submitting to contractors.
Ability to review complex scope of work's and contract documents related to different projects. Responsible for identifying, creating and sending change orders CO. Establish & Maintain good working relationships with coworkers, field personnel and customers.
- **Pure Technologies (Miami)** **01/2018-12/2018**
PROJECT: Toho Water Authority, Kissimmee, FL
Responsibilities: Project Manager responsible for defining and implementing project plans in accordance with the contract terms and client's needs. Assemble project resources to meet project requirements. Ensure project deliverables meet or exceed both client and internal expectations by implementing a deliverable quality assurance review. Create project budgets and track project costs. Establish and maintain good communications and relationship with subcontractors and vendors. Attend and prepare for regional project financial update meetings. Approve timesheets for team members, ensuring project budget is respected.
- **AECOM (Miami/New York)** **10/2010-08/2017**
PROJECT: Pedestrian and Bicyclist Tunnel under New River – Feasibility Study, Fort Lauderdale, FL
Feasibility study requested by FDOT to evaluate the potentiality for a pedestrian/bicyclist tunnel under the New River adjacent to the existing Henry E. Kinney tunnel in the City of Fort Lauderdale.

Responsibilities: Project Manager: responsible of the feasibility study of construction for the pedestrian tunnel. This included a proposal of the technical design and final cost estimation of the construction and the maintenance and operation phases.

PROJECT: Second Avenue Subway (SAS), Metropolitan Transportation Authority, New York, NY.

The Second Avenue Subway (SAS) is an underground subway line, part of the New York City Subway system. This \$4.45 billion project consisting of two miles of tunnel and three stations, is under construction underneath Second Avenue in the borough of Manhattan.

Responsibilities: Project Manager responsible for working close to the Contractor during the Construction Phase setting out project works in accordance with Contract Drawings and Specifications. Identify options and recommend solutions to resolve technical issues during construction, providing comment on shop drawings, RFIs and perform new calculation when needed. Develop and review of technical specifications and proposals. Manage the relationship with the client and all stakeholders. Perform risk management to minimize project risks. Ensure that all tasks are carried out as per schedule in stipulated time with quality.

PROJECT: SWLRT – Southwest LRT (METRO Green Line Extension), Minneapolis, MN.

The project, which would cost more than a \$1 billion, consists of 14.5 miles lines, including stations.

Responsibilities: Project Manager: responsible of carry out the design and production for the 60% and 90% submittal of the Metro line. Ensure that effective processes and procedures are in place in accordance with the MNDOT requirements. Responsible also for coordinating with other disciplines, driving the design program and ensuring best practice across the project. Perform the QA/QC process; create and maintain comprehensive project documentation. Manage, control, and monitor project budgets and projected cash requirements for the project and prepare actual anticipated variance report.

PROJECT: FEMA Hazard Mitigation Technical Assistance Program, Nassau and Suffolk Counties, Long Island, New York, NY.

The work is being performed under AECOM's Hazard Mitigation Technical Assistance Program (HMTAP) contract with FEMA. AECOM will provide technical services to support the program's response capability for all types of pre- and post-disaster mitigation activities to events such as Sandy's coastal flooding.

Responsibilities: Project Engineer responsible of substantial damage estimations and assessments for residential structure properties located in Nassau and Suffolk Counties. Present technical explanations and proof of concept to nontechnical professionals in a clear and concise manner.

▪ **G&G Progetti, Rome, Italy**

01/2008 – 08/2008

PROJECT: Pam Department Store, Rome, Italy. The Pam Department Store is a 46,000 square feet facility built in steel and precast concrete elements. Located on the northern edge of Rome will provide service for the garden suburb.

Responsibilities: Structural Engineer responsible for developing the concrete and steel structural design, final static tests of structures and producing final construction documents.

▪ **Mazzacane Ingegneri, Rome, Italy**

08/2008 – 01/2009

PROJECT: Calatrava's LLC Sports City, Rome, Italy. LLC Sports City developed in an area close to the southern suburb of Rome, is comprised of two identical fan-shaped pavilions, arranged symmetrically, and a series of external infrastructure works to complete and complement the development. One of the pavilions will house the multi-purpose arena; the other will accommodate the swimming pools. The buildings will be functionally independent and therefore able to host different events at the same time.

Responsibilities: Structural Engineer responsible for developing the concrete and steel structural design, engineering calculations and drawings. Responsible for conducting preliminary reviews of construction plans and site specifications and dealt with architects of the external Calatrava's office of Geneva Assisted in the preparation of material lists and cost estimates; estimating labor and materials needed to complete the project stages.

AFFILIATIONS

- American Society of Civil Engineers (ASCE)
- Professional Engineering Italian License

SPECIALIZED TRAINING

- Oracle Primavera P6 Certificate Course, Baruch College
- Elementary Structural Design Workshop
- Building Energy Performance Certification
- Construction Safety and Health

COMPUTER LITERACY

- General Applications: Primavera P6, MathCad, Microsoft Project, Microsoft Office Suite
- F.E. Computer Programs: SAP2000, Plaxis, Phase2, Unwedge, Pca, Athena, STAAD
- CAD/CAM Applications: AutoCad, Revit, MicroStation, 3D Studio Max, Photoshop, Illustrator,
- Google Earth, Google SketchUp, ArcGIS.

LANGUAGES

- Italian - native
- French - good
- English - proficient
- Portuguese - good