



Paul R. Marsenison, P.E., CGC

Construction Practice Leader

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Background

Mr. Paul Marsenison is a registered professional engineer, a licensed general contractor, and a LEED® Accredited Professional with expertise in civil engineering and structural design, design-build projects, construction estimating and scheduling, and construction project management.

He has over 20 years of field engineering and construction experience including the implementation of site safety and OSHA construction requirements on dozens of general contracting projects. His design experience includes structural design of reinforced concrete building systems, water and sewer utility conveyance systems, commercial and residential marine facilities, groundwater and soil remediation systems, and solid waste landfills. He has designed and constructed numerous types of commercial and industrial buildings and facilities (including government contracts) and has acted as “special inspector” for structural inspections. He has direct project management experience for infrastructure projects at all levels of government. He also has extensive experience as a project designer and manager for groundwater and wastewater treatment plants, including traditional and bioremediation projects.

Mr. Marsenison’s forensic investigation experience extends to flooring failures; building settlement and collapses; fire, hurricane, and wind damage; vehicle impact damage; concrete failures; concrete and masonry cracking; retaining wall and seawall distress; sinkhole evaluation; chloride corrosion of concrete construction; wind turbine tower damage; FRT plywood inspections; steel and wood joist and truss failures; construction vibration analysis; underground utility failures; pool failures; moisture intrusion through building envelopes; roofing system failures; and tile floor failures. In addition to investigating construction claims, construction disputes, and construction accidents, he prepares structural calculations for buildings, industrial structures, parking garages, construction support structures, bridges, docks and seawalls, and pre-engineered buildings. He also provides estimating for commercial and residential new construction and repairs.

Professional Engagements

• Design, Construction, and Project Management – Civil/Transportation

- State Road 441 Sewer Construction – Miami-Dade County, FL (2006), Contractor responsible for the installation of gravity, force main, and sewer lift station along SR 441; also reconstructed and widened SR 441.

- Ft. Lauderdale Riverwalk – Ft. Lauderdale, FL (2003), Contractor responsible for the construction of the utilities and hardscape/landscaping facilities along the New River between 3rd Avenue and the U.S. 1 tunnel.
- Boca Raton Water Treatment Plant – Boca Raton, FL (2001), Contractor responsible for construction of two 1.5-million-gallon water storage tanks, associated infrastructure, and piping.
- Miami International Airport – Miami, FL (1995-1998), Constructed over \$30 million in infrastructure projects at airport owned by the Miami-Dade County government and operated by the Miami-Dade Aviation Department. Examples include:
 - Miami Airport Emergency Vehicle Maintenance Facility – Constructed two first-of-their-kind maintenance and washing facilities to accommodate the Miami-Dade airport's emergency response vehicles.
 - Miami Airport Terminal Expansion – Constructed several terminal expansion facilities and associated underground utilities.
- SilveX Superfund Site – Green Cove Springs, FL (1993-1995), Designed and constructed Florida's first bioremediation plant to recover and treat chlorinated solvents.
- **Design, Construction, and Project Management – Solid Waste Disposal**
 - South Dade Landfill Expansion – Miami-Dade County, FL (1996), Design-build contractor responsible for designing and constructing two new solid-waste cells. Innovative technologies and construction methods incorporated.
 - USDA Quarantine Trash Transfer Facility – Miami-Dade County, FL (1995), Contractor responsible for constructing first facility of its kind in the U.S. to receive and process USDA-designated quarantine materials. Innovative technologies and complex building structures were constructed.
- **Design, Construction, and Project Management – Recreational/Municipal**
 - Red Reef Park – Boca Raton, FL (2000), Contractor responsible for the reconstruction of the Red Reef Park golf course, clubhouse, bathrooms, guard houses, seawall, and boardwalks for the beach and Gumbo Limbo wetlands.
- **Design, Construction, and Project Management – Marine**
 - Quayside Towers Marina – Miami Shores, FL (2005), Design-build contractor responsible for the reconstruction of a 250-slip marina and seawall.
 - Hillsboro Inlet Marina – Pompano Beach, FL (2002), Contractor responsible for the reconstruction of the Hillsboro Inlet Marina utilities, docks, clubhouse, and parking lot.
- **Design, Construction, and Project Management – Military/Government**
 - U.S. Coast Guard Station at Parris Landing – Stewart County, TN (2015), Contractor responsible for the reconstruction of the station pier along the Tennessee River.
 - U.S. Environmental Protection Agency – New Jersey (1990-1993), Project manager in the hazardous waste cleanup section (Superfund) of Region II. Projects included landfill remediation, groundwater remediation, soil remediation, and emergency response operations.
- **Design, Construction, and Project Management – Industrial**
 - Jet Engine Test Cell – Medley, FL (2010), Contractor responsible for the construction of a state-of-the-art jet engine test cell facility, including all computerized engine monitoring systems.

Forensic Engagements

- **Claims Investigations**

- Commercial and Residential – Northeast and Southeast U.S., Determined the cause and origin of structural, roof, and mechanical failures on hundreds of claims. Provided means and methods of repair and associated estimates of repair costs.

- **Construction Defect Evaluations**

- High-Rise Residential and Commercial Buildings – Evaluated alleged defects in major structural, mechanical, electrical, and plumbing systems on dozens of projects. Evaluated responsibilities between owners, designers, general contractors, and subcontractors.

- **Construction Accident Investigations**

- Completed dozens of investigations, evaluating incidents with regard to OSHA, industry standards, and best management practices. Evaluated existing safety programs and consulted regarding adequacy and improvements.

- **Construction Litigation/Subrogation**

- Provided litigation support for review of construction expert reports and testimonies in numerous cases. Prepared reports and other documents to support litigation. Identified subrogation parties in complex construction claims.

- **Disaster Assessments**

- Hurricane Irma – Florida (2017).
- Hurricane Matthew – Florida (2016).
- Hurricane Sandy – New Jersey (2012).
- Hurricane Wilma – Florida (2005).

Professional Experience

- **Rimkus**

2008 – Present

- Construction Practice Leader

In charge of office operations and personnel in the Ft. Lauderdale district office. Responsible for investigating and evaluating commercial and residential structures to determine the cause of apparent structural and building envelope concerns. Provides engineering consulting services for legal, insurance, and corporate clients. Inspects and evaluates construction accidents, failures, and disputes in the civil/structural/environmental engineering disciplines. Investigates structural deficiencies and failures (including high wind damage), water penetration problems, and building and site improvement maintenance issues. Evaluates construction compliance with building codes, safety codes, and contract specifications. Experienced in the application of various design standards and specifications, including ASCE for wind loads, ACI for concrete, PCI for precast concrete structures, AISC for steel structures, AISI for cold-formed steel structures, SJI for steel joists, SDI for steel decks, and NDS for wood structures. Prepares estimates for repairs. Reviews owner/contractor disputes with regard to compliance with contracts, construction claims, delay damages, and changes in scope of work.

- Overholt Construction Corporation** **2006 – 2008**
 - Chief Estimator/Sr. Project Manager
Integrated modern project management and estimating tools into the company to streamline performance and project tracking. Chief estimator for all commercial projects. Successfully bid over \$30 million in new work.
- PRM Engineering & Contracting, Inc.** **1998 – 2006**
 - President
Formed a small engineering and construction company. Participated in bid-only, design-only, and design-build projects as engineer of record and general contractor. Grew the company to over \$5 million per year in annual revenues. Completed public and private projects of over \$4 million per project.
- WEI Construction, Inc.** **1995 – 1998**
 - Vice President
Performed as general contractor qualifier and general manager for this environmental engineering and construction company. Designed water and wastewater infrastructure projects, solid waste handling and disposition projects, and soil and groundwater remediation projects. Constructed over \$30 million in infrastructure projects at Miami International Airport.
- Ecology and Environment, Inc.** **1993 – 1995**
 - Project Manager/Design Engineer
Responsible for environmental remediation projects. Designed and constructed numerous state and federal groundwater and soil remediation projects. Designed and constructed Florida's first bioremediation plant to recover and treat chlorinated solvents.
- U.S. Environmental Protection Agency** **1990 – 1993**
 - Project Manager – Region II, Superfund
Designed and managed construction of single hazardous waste cleanup projects to \$20 million throughout New Jersey. Projects included landfill remediation, groundwater remediation, soil remediation, and emergency response operations.
- U.S. Navy (active duty)** **1985 – 1990**
 - Lieutenant
Managed and operated the main propulsion systems aboard the USS St. Louis. Responsible for the daily supervision of 150 mechanics and boiler operators. Performed U.S. Navy flight training.

Education and Certifications

- **Civil Engineering, B.S.:** Virginia Military Institute (1985)
- **Licensed Professional Engineer:** Florida
- **Certified General Contractor:** Florida
- **LEED® Accredited Professional:** U.S. Green Building Council
- **Certified Aerial Lift Operator**
- **Certified Forklift Operator**

Continuing Education

- **OSHA and Related Training:** Hazardous Materials Incident Response Operations (40 hours); Confined Space Safety/Gas Free Engineer
- **Equipment Operator Training:** High Lift and Forklift Operator Training
- **Project Management/Estimating Training:** Xactimate Version 27; Timberline Project Management and Estimating; Primavera Project Management
- **Other Courses:** Hazardous Waste Operations and Emergency Response; Preventing and Investigating Accidents; Construction Claims; Green Building Materials; Wind Mitigation Methodology; Workers Compensation Law; Construction Liens and Bonds; HVAC Systems and Indoor Air Quality