



V. VICTOR SOUKAMNEUTH, M.S.C.E., P.E. PROFESSIONAL BIOGRAPHICAL OUTLINE

BACKGROUND

Mr. Soukamneuth is a Structural Engineering expert for ARCCA, Incorporated. He possesses over 25 years of combined structural design and construction defect experience, along with practical design and analysis experience of residential, commercial, industrial, institutional and marine type structures including hurricane barriers, foundations for dynamic equipment, and various other types of structures and facilities.

Mr. Soukamneuth's forensic investigation expertise includes cause and origin failure analysis, structural analysis, and condition assessments of single family residences, multi-family residences, custom residences, manufacturing facilities, commercial properties, office buildings, governmental buildings, and light and heavy industrial facilities.

His representative forensic engagements include construction defects, foundation movement, structural failures, wind damage, impact damage, water intrusion, plumbing failures, soil heave and settlement, post-fire structural issues, concrete silo explosions, and vibration effects resulting from construction and earthquakes.

He has also testified in court and depositions, and has been a designated expert in multiple cases.

EDUCATION

- M.S. in Civil/Environmental Engineering, Worcester Polytechnic Institute, Worcester, MA, 1997
- B.S. in Civil/Environmental Engineering, University of Rhode Island, Kingston, RI, 1994

PROFESSIONAL LICENSES & CERTIFICATIONS

- Registered Professional Engineer in FL, GA, KS, NC, NY, SC, VA, WA
- Holder of MSHA (Mine Safety and Health Act) Certification for mines of 650ft in depth
- HAAG Certified Inspector, Commercial Roofs V2
- HAAG Wind Inspector Certification

PROFESSIONAL MEMBERSHIPS

- Member of the Spray Polyurethane Foam Alliance # 51903303
- Member of the National Society of Professional Engineers # 300741484

PROFESSIONAL EXPERIENCE

April 2019—Present | ARCCA, Incorporated | Senior Civil Engineer

- Providing expertise in structural engineering and related expertise to a wide variety of clients.
 - Basement water intrusion and mold claims
 - Foundation and retaining wall distress and failures
 - Foundation settlement
 - Floor and roof framing distress and excessive deflection
 - Ceramic tile failures
 - Brick, masonry and concrete structural distress
 - Conventional residential and commercial construction deficiencies

- Decks, walkways, wood fire escape failures
- Railings and handrail collapses
- Vehicle impact damage evaluations
- Wind damage claims
- Hail damage claims
- Roof collapse claims due to snow and/or ponding water
- Roof ventilation and attic mold claims
- Evaluations of damages due to water main breaks, explosions, blasting, and construction vibrations
- Wood roof truss collapses
- Concrete driveway and sidewalk cracking, spalling, etc.
- Code compliance issues for decks, porches, ramps, stairs, railings, handrails, etc. for personal injury claims
- Pool leaks and structural failures

2016—2019 | Park Plus Florida, Inc. | Vice President of Engineering

- Manage, coach and mentor a team of 6 engineers and designers, simultaneously performing the duties of an Engineering VP and Senior Structural Engineer.
- Recruit, develop, and train staff, working in conjunction with Senior Management and HR.
- Introduced and implemented a new and improved project management system into firm
- Point of contact for clients providing key technical information
- Provided hands-on leadership with focus on professional development and continuous improvement
- Performed structural analyses using hand calculations and 3-D analysis software
- Assisted with the firm's implementation of RISA 3D software
- Define and communicated annual goals, and ensured changes/updates were effectively communicated

2012—2016 | Omega Forensics Engineering | Project Engineer

- Conduct forensic investigations of commercial, institutional, high-rise and residential buildings
- Determine the cause and origin of structural failures and construction defects
- Conduct roof damage evaluations for residential and commercial structures
- Conduct moisture /water intrusion damage evaluations
- Prepare and provide oral and written reports
- May be called upon for expert witness testimony

2011—2012 | BRPH Architects and Engineers | Structural Department Team Leader

- Lead, develop, and mentor engineers and designers for continuous improvement of engineering expertise, professional development and career path planning
- Performed structural analyses using hand calculations, 3-D analysis software and other accepted methods
- Exercised technical responsibility required within areas of technical competence for sealing engineering work performed by the structural team

- Generated required engineering reports, white papers, analyzed the information, and made recommendations
- Kept abreast of new technical methods and developments in seismic engineering
- Helped bring RISA 3D software into department, helped to develop and grow structural department from 5 to 15

2004—2011 | Borton, LC | Senior Structural Engineer

- Performed structural analysis and design of light and heavy industrial type projects
- Provided structural engineering services for concrete silo slip form construction, in addition to other miscellaneous structures
- Steel, concrete, and foundation design of large material handling system supports, specialty structures, process equipment installation supports, conveyor system supports, truck load out structures, air handling supports and foundations, sampling and control rooms, electrical containment buildings, receiving buildings, mechanical and machinery support systems including deep and shallow foundations
- Provide technical building code guidance to in-house project managers, salesman, engineering coordinators, and estimators
- Voluminous seismic analysis and design experience on steel and concrete industrial structures (dynamic and spectra response analysis also performed)
- Assist in developing project structural requirements, conducting field surveys, and developing construction documents

1995—2004 | SEA Consultants, Inc. | Structural Engineer

- Performed structural analysis and design of residential, commercial, municipal, DOT and industrial type structures. Engaged in steel, concrete, masonry, and wood design
- Reconnaissance travel, field inspections ,reverse engineering, engineering data collection and interpretation of current conditions
- Performed construction services including responding to RFI's, reviewing shop drawing submittals, and performing field observations as required
- Prepared preliminary and final design contract documents
- Performed drafting as required using Autocad

1990—1994 | R.I.D.O.T. (Rhode Island Department of Transportation) | Summer Engineer Intern

- Performed materials testing in the RIDOT Laboratory
- Performed routine DOT bridge inspections
- Performed materials quality control for the RI Department of Transportation on various highway projects
- Performed concrete and steel strength tests, cylinder compression tests from samples created in the laboratory, or those created in the field
- Other tests performed included concrete clump tests, temperature measurements, air content pressure method test, air content volumetric test, curing concrete test specimens in laboratory and unit weight (density) test