

FORCON INTERNATIONAL

RONALD A. BOVA, P.E., D.F.E

SUMMARY

Mr. Bova is an experienced civil engineer whose areas of specialties include, but are not limited to buildings, bridges, airports, roadways, infrastructure design and construction monitoring for state, federal, municipal and private sector projects.

EDUCATION

Master's in Business Administration - State University of New York - Albany, NY, 1994

Bachelor of Science in Civil Engineering Technology - Rochester Institute of Technology - Rochester, NY, 1984

Associates of Applied Science in Civil Technology - Hudson Valley Community College - Troy, NY, 1981

REGISTRATIONS & CERTIFICATIONS

Registered Professional Engineer:

- Connecticut # PEN.0033807
- Massachusetts # 54845
- New Hampshire #17913
- New York #069697
- New Jersey #24GE05544900
- Pennsylvania # PE089582
- Virginia # 0402061264
- Vermont # 018.0005473
- West Virginia # 025894
- US Virgin Islands # 0-43193-1B

Board Certified Diplomat in Forensic Engineering (Member No. 1071 S)

Structural Engineering Certification Board (2008-2022)

- Certificate No. 2603-0708

Building Inspection Engineering Certification Institute

- Board Certified Building Inspection Engineer

TROXLER Nuclear Density Gauge

PROFESSIONAL ASSOCIATIONS

- Senior Member of the National Academy of Forensic Engineers
- Diplomat of the National Academy of Building Inspection Engineers
- Member: American Society of Civil Engineers (ASCE),
- Member: American Society of Highway Engineers (ASHE)
- Member: National & New York State Society of Professional Engineers
- Member: American Institute of Steel Construction, Inc.
- Member: Structural Engineering Institute
- Member: American Concrete Institute
- Member: Structural Design Professional Member - American Wood Council
- Member: International Building Code
- Member: National Roofing Contractors Association
- Former Board member, ASCE, Mohawk-Hudson Section
- Former Board member, HVCC Tech. Adv. Comm. to the Civil & Constr. Tech. Depts.

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- Former member, Technical Advisory Committee, Town of Glenville, NY
- Former member, Traffic Committee, Village of Scotia & Town of Glenville, NY
- Former member, Engineering Services Advisory Committee, Town of Glenville, NY
- Ad Hoc Consultant to the Village of Waterford and Town of Plattsburg, NY.
- Former Ad Hoc Consultant to (Municipal and Planning Boards) for Ulster County, City of Troy, Towns of Waterford, Clifton Park, Glenville, Guilderland, New Scotland, Amsterdam and Halfmoon NY.
- Ad Hoc Consultant to: The Village of Waterford and Town of Plattsburgh, NY
- Prior Ad Hoc Consultant to: Ulster County, City of Troy, Towns of Waterford, Clifton Park, Glenville, Guilderland, New Scotland, Amsterdam, and Halfmoon, NY – Municipal and Planning Boards

CAREER HISTORY

FORCON International – Civil Engineer

Conducting Forensic Investigations and Analysis as it relates to his field of expertise.

BOVA ENGINEERING PLLC - Chief Forensic Engineer

Involved in a wide variety of structural failure, civil and environmental investigations to perform engineering analyses, and determine cause, scope of damage, scope and method of repair and cost analyses. Evaluation also includes infrastructure construction and repairing damaged structures in new and existing construction.

- Hurricane Ida engineering experience involves identifying movement of subsurface groundwater.
- Hurricane Maria engineering experience includes historical buildings, roofs and structures on St. Croix.
- Hurricane Katrina engineering experience includes 11 communities along the Gulf Coast.
- World Trade Center engineering experience includes 90 West Street, 130 Liberty Plaza, 22 Cortland, Century 21, St. John's University and three Broadway bldgs.
- Expert Consultant for the City of Newark, NJ Rail grade crossing maintenance and Right-of-Way.

TASA Group – Forensic Consultant

Providing forensic consulting services regarding highway and structures.

Envista Forensics Inc. – Forensic Consultant

Providing forensic consulting services regarding buildings/structures.

Independent Consultant

Administration, management, and design of engineering construction projects. In charge of the civil and structural design and evaluation of various buildings, building sites and infrastructure; including transportation and sewerage projects and environmental projects involving the movement of surface water and subsurface groundwater for private and municipal clients.

Chief Engineer for ENR500 Engineering/Architecture firm based in Manhattan, NY

Directed the building, transportation, water and wastewater design and forensic engineering sections of the Albany, NY office. Consultant to the NYS Department of Transportation, the NYS Office of General Service, State University Construction Fund, Saratoga County Department of Public Works, and NYC Department of Transportation.

Independent Consultant

Technical Expert to the Connecticut Department of Transportation.

Structural Engineer

Design, analysis, and inspection of several buildings and bridges. Consultant to the NYS Department of Transportation.

Transportation Engineer

Design and inspection of airports, highways, maintenance and protection of traffic work zones and signalized intersections, and design and analysis of bridges and drainage systems. Consultant to the NYS Thruway Authority, NYS Department of Transportation, and Albany County (International) Airport.

Environmental Engineer

Evaluating hazardous materials and conditions, including mold and mildew conditions; while recommending and directing site remediation.

Civil Engineer

Design and inspection of water, storm and sanitary sewer, on-site septic and wastewater treatment facilities and transportation systems. Including, the engineering oversight on the design and construction for Heavy Highway and Utility Construction projects requiring the use of explosives for rock removal.

New York State Department of Transportation - Material Testing Co-op

Expertise in material properties and ASTM testing of materials used in the construction industry.

PUBLICATIONS

2022-2023 – Peer Reviewer for the Journal of the National Academy of Forensic Engineers.

2019 - Presented a Paper “*Forensic Investigation of a 1960’s Era Tower Failure*” to the National Academy of Forensic Engineers, at the Denver, CO Summer Conference.

2014, 2015, 2017 – Prepared an Emergency Measures & Protocols Memorandum and distributed relevant key points to Institutions, Industry and their risk assessment stakeholders regarding how pre-1970’s and 1980’s Uniform Building Codes overlooked the effects of drifting snow. Also provided general emergency field assessment guidelines and follow-up structural retrofitting.

INDUSTRY ACHIEVEMENTS

Peer Reviewer for the Journal of the National Academy of Forensic Engineers. (2022-2023)

Prepared an Emergency Measures & Protocols Memorandum and distributed relevant key points to Institutions, Industry and their risk assessment stakeholders regarding how Pre-1970’s & 1980 Uniform Building Codes overlooked the effects of drifting snow. Also, provided general emergency field assessment guidelines and follow-up structural retrofitting. (2014-2015/2017)

Established the first Porous Pavement design in the Town of Halfmoon, NY and directed the related construction quality control techniques for commercial vehicular traffic. (2010-2011)

Instituted the program developed by Ronald A. Bova, P.E. for cost efficient techniques to mitigate damage to the Town of Waterford’s infrastructure from subsurface groundwater, while incorporating the benefits of rubber re-use from recycled tires. (2007-2008)

Resident Engineer, St. Felix Street, Brooklyn, NY – Roadway and Building Façade reconstruction and restoration. Named “2002 Rehabilitation Project of the Year”, by “New York Construction News – Best of 2002.” (2002)

Developed a draft Action Plan for specialized techniques of stormwater management to mitigate flooding problems in the Village of Scotia, due to an antiquated and problematic storm sewer system. The draft plan instituted concepts of stormwater recharge into naturally occurring sand deposits in the Village. (1996-1997)

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Ronald A. Bova, P.E., D.F.E. – Deposition and/or Trial Summary (Last 5 years only listed)

Date	Case Name	Service	Location
01/30/2024	Danielle Struble v. County of Morris, NJ	Remote EBT	New Jersey
5/11/2023	Estate of R. M. Cox v. Boyd, Gas Field Services, WV Pkwys Auth., et al	Remote EBT	West Virginia
02/06/2023	Hernandez v. Warwick Properties Inc., et al	Remote EBT	
11/3/2022	Clifford Redmond v. Nat Galotta, Fulton Co.,	Trial Testimony	NY Supreme Court
10/26/2022	Matt's Landscaping v. Paul Butler		Glens Falls City Court
10/24/2022	Pall v. Scheefer's Adirondack Builders, Inc.	Arbitration Hearing	Essex County Supreme Court
10/21/2022	Places in Saratoga LLC v. Izzo	Arbitration Hearing	
06/20/2022	Kratt v. Checkered Flag Fabricators LLC	Trial Testimony	Columbia Co. Court
05/18/2022	Paczkowski v. Miner and Van Etten	Trial Testimony	Delaware Supreme Court
01/11/2022	Augero v. New York State (DOT)	Trial Testimony	NYS Court of Claims
12/02/2021	Charles Lasher v. New York State (DOT)	Trial Testimony	NYS Court of Claims
10/18/2021	Robbie Amos v. Boxley Materials Co.	Deposition	(Remote – Zoom)
10/06/2021	Gurwitz v. New World Catering Corp.	Trial Testimony	Ulster Co. Court of Claims
09/28/2021	Puglia v. Warren St. Moderne	Trial Testimony	Columbia County Court of Claims
07/20/2021	Southwick v. New York State (DOT)	Trial Testimony	NYS Court of Claims
05/04/2021	Hunt v. New York State (DOT)	Trial Testimony	NYS Court of Claims
12/18/2020 – 02/12/2021	891 E. 135 St., Bronx NY	Oath Hearings	NYC DOB
08/08/2019	Arold Construction v. Village of Whitehall and EDP	Mediation Hearing	
05/31/2019	Bartels v. Eack	Trial Testimony	Orange County, NY Supreme Court
04/19/2019	Saratoga County v. Mercer	Trail Testimony	
02/06/2019 - 02/13/2019	Lofts at Saratoga Blvd., Inc. v. Jersen Constr. Group,	Arbitration Hearing	
08/21/2018	Williams v. Albany County	Trial Testimony	NY Supreme Court
05/02/2018	Wendal v. Gruner	Trial Testimony	Orange County, NY Supreme Court
04/13/2018	Trustees of Union College v. Hartford Insurance Co.	Examination Before Trial	
02/08/2018	Donofrio v. Jevin LLC	Trial Testimony	Ulster County, NY Court