

FORCON INTERNATIONAL

RONALD A. BOVA, P.E., S.E.C.B, 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 York #069697
- New Jersey #24GE05544900
- Pennsylvania # PE089582
- Virginia # 0402061264
- Vermont # 018.0005473
- US Virgin Islands # 0-43193-1B

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

Structural Engineering Certification Board (Certificate No. 2603-0708)

Board Certified Building Inspection Engineer, by the Building Inspection Engineering Certification Institute (Certificate No. 141)

TROXLER Nuclear Density Gauge

PROFESSIONAL ASSOCIATIONS

- Senior Member of the National Academy of Forensic Engineers
- Diplomate of the National Academy of Building Inspection Engineers
- 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
- American Society of Civil Engineers (ASCE),
- American Society of Highway Engineers (ASHE)
- National & New York State Society of Professional Engineers
- American Institute of Steel Construction, Inc.
- Structural Engineering Institute
- American Concrete Institute
- Structural Design Professional Member - American Wood Council
- International Building Code
- 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

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 Maria engineering experience includes historical buildings, roofs and structures on St. Croix.
- Hurricane Katrina engineering experience includes 11 communities along the Gulf Coast; while World Trade Center engineering experience includes 90 West Street, 130 Liberty Plaza, 22 Cortland, Century 21, St. John's University and three Broadway buildings.

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.

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PUBLICATIONS

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.

INDUSTRY ACHIEVEMENTS

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., S.E.C.B, D.F.E. – Deposition and/or Trial Summary

Date	Case Name	Service	Location
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
03/17/2016 01/17/2017 08/08/2017	Central Amusement International LLC v. Lexington Insurance Co. (Astro Tower, Coney Island, NY)	Expert Depositions	
09/08/2015	Mosby v. Hanover Insurance Co. (655 6th Ave., NY, NY)	Examination Before Trial	U.S. District Court, Southern District of NY
08/24/2015	J Snyder Builders LLC v. Eric & Ashley Cavosie	Arbitration Hearing	
03/18/2015	Curran Highway v. Travelers	Mediation Hearing	
12/18/2014	Lin v. Bentley University and MBTA	Examination Before Trial	
12/09/2014	Shawn Dunn v. State of N.Y. (DOT & Thruway Auth.)	Trial Testimony	
03/10/2014 - 03/11/2014	Nat'l Union Fire Ins. Co./Rag Jaw LLC v. Mission of The Republic of Namibia	Examination Before Trial	
01/31/2013	Port of Oswego Storage Dome	Examination Before Trial	
02/28/2011	Luis & Wanda Perez v. 100 St. Andrews Place LLC	Court Hearing	
04/27/2010	Frankenberg v. Criterium Lalancette Engineers	Examination Before Trial	
11/05/2009- 11/17/2009	Eastman Assoc. Inc. v. Juan Ortoo Holdings Ltd.	Arbitration Hearing	
05/04/2009	Village of Waterford, NY v. Carey	Examination Before Trial	
05/01/2009	Christopher McKnown v. Town of Waterford, NY	Examination Before Trial	
04/08/2009	Thomas Anthony v. Cobble-Lot Apartments, Inc. et. al.	Trial Testimony	
04/02/2009	Adirondack Landscaping v. Erin Tatlock	Trial Testimony	
06/12/2008	Claudio v. North Street Enterprises	Trial Testimony	
04/08-10/2008 04/23/2008	Town of Waterford v. State of New York (Canal Corp.)	Trial Testimony	
02/28/2006	Yury's School of Gymnastics, Inc. v. R.M. Mangold, Inc.	Trail Testimony	
07/30/2004	Town of Halfmoon, NY v. Ruth Schaaf (St. David's Anglican Church)	Court Hearing	
05/25/2005 06/21/2004	Furniture Services, Maplewood, NJ v. CNA Insurance	Trial Testimony Examination Before Trial	
12/09/2002	Acorn Development, Inc. (ADI)	Arbitration Hearing	
11/19/1998	Estate of Joan St. Onge v. State of Connecticut DOT	Trial Testimony	
1998	Mr. and Mrs. Thomas Langlois v. Building / Developer	Examination Before Trial	