

## CURRICULUM VITAE

### **SERGE V. BORICHEVSKY**

*FORENSIC CIVIL ENGINEER*

#### **EXPERIENCE**

- 1986-Present Consulting Forensic Civil Engineer, Paul Zamrowski Associates. Engineering investigation, evaluation and reconstruction of vehicular, pedestrian trip or slip and fall, struck-by, fall from height, and caught-between accidents. Also, construction safety, building code conformance, transportation facilities, building failures, and water damage. Completed over 3450 forensic investigations and have testified under oath 150 times as a qualified expert in Pennsylvania, New Jersey, Delaware, New York, and Federal District Courts.
- 1985-89 Vice President Consulting Civil Engineering firm. Administered contracts for on site construction inspection of multi-million dollar interstate highway, bridge, and building projects.
- 1984-85 Project Engineer for heavy, highway and building contracting firm. Responsible for engineering and scheduling on major urban expressway project.
- 1983-84 Administered multi-million dollar bridge and highway construction and rehabilitation projects for PennDOT. Ordered changes in design and construction specifications. Enforced contractor compliance with OSHA and traffic safety standards.
- 1979-83 Directed all operations involving maintenance of 1900 miles of PennDOT highways, 1700 bridges and tunnels. Managed 500 employees and equipment fleet of 300. Instituted maintenance and safety policies. Directed preparation and expenditure of multi-million dollar annual budget.
- 1977-79 Developed statewide policies, procedures and standards for highway maintenance management at PennDOT Central Office in Harrisburg. Drafted construction specifications and contracts.
- 1968-77 Managed construction inspection of major Interstate bridge and highway projects. Responsible for quality and integrity of construction of bridges, pavements, earthwork, railroads, drainage, signs and signals, maintenance and protection of traffic, and other types of construction. Enforced compliance with OSHA Regulations. Made design changes to correct errors and/or omissions.
- 1967-68 Structural inspection of distressed bridges for PennDOT. Rehabilitation design of several historic covered wooden bridges. Resident Engineer for inspection and rehabilitation of first prestressed concrete bridge built in USA.
- 1965-66 Bridge Designer and Inspector, City of Philadelphia Bridge Division.
- 1963-64 Surveyor, U.S. Coast and Geodetic Survey. Hydrographic survey of Lake Mead, Nevada, and first order Geodimeter traverse in Florida.

## EDUCATION

- *Bachelor of Science Civil Engineering*, Construction Management Major, Drexel Institute of Technology, 1967.
- *Board Member*, Lower Dauphin County Code Enforcement Agency, 1978-79.
- *On-the-Job Safety in Public Works*, American Public Works Association Education Foundation, Pittsburgh, Pennsylvania, April 1986.
- *Professional Liability Seminar*, American Society of Civil Engineers, March 1987.
- *Special Problems in Traffic Accident Reconstruction Seminars*, IPTM, University of North Florida, Jacksonville, Florida, 1988, 1990, and 1993.
- *Roof Problem Analysis and Roofing Options Conference*, National Roofing Contractors Association, Philadelphia, Pennsylvania, April 1989.
- *Forensic Engineering Seminar*, National Academy of Forensic Engineers, Pittsburgh, Pennsylvania, July 1993.
- *Understanding OSHA Construction Standards*, American Society of Civil Engineers, Philadelphia, Pennsylvania, March 1995.
- *Commercial Vehicle Collision Reconstruction Jt. Conference*, Allentown, Pa, October 1999.
- *Second Forensic Congress*, ASCE, San Juan, Puerto Rico, May 2000.
- *Symposium on Metrology of Pedestrian Locomotion and Slip Resistance*, ASTM, West Conshohocken, Pennsylvania, June 2001.
- *Forensic Engineering Tools & Techniques: Codes Standards & Government Regulations Seminar*, NAFE, Washington D.C., January 2002.
- *Forensic Engineering Seminar*, NAFE, San Francisco, California January 2003.
- *Third Forensic Congress*, ASCE, San Diego, California, October 2003.
- *Forensic Engineering Seminar*, NAFE, Washington, DC, January, 2004.
- *Highway Vehicle Event Data Recorder Symposium*, SAE, Ashburn, Virginia, June 2004.
- *Forensic Engineering Seminar*, NAFE, Washington, DC, January, 2006.
- *Slips, Trips & Falls Online Seminar*, NSPE, September 17, 2008.
- *Slip Trip Fall Symposium*, American Society of Safety Engineers, Webinar, November, 2009.
- *Forensic Engineering Seminar*, NAFE, New Orleans, Louisiana, January, 2010.
- *Forensic Engineering Seminar*, PSPE, King of Prussia, Pennsylvania, September 2011.
- *Forensic Engineering Seminar*, NAFE, Miami Beach, Florida, January 2012.
- *Sixth Forensic Congress*, ASCE, San Francisco, California, November 2012.
- *Forensic Engineering Seminar*, NAFE, Charleston, South Carolina, January 2014.
- *Forensic Engineering Seminar*, NAFE, Washington, DC, July 6, 2014.
- *Forensic Engineering Seminar*, NAFE, Seattle, Washington, July 17-18, 2015.
- *Multifactorial Analysis of Slip & Fall Events*, ASTM, West Conshohocken, Pa., January 2017.
- *Forensic Engineering Seminar*, NAFE, Buffalo, New York, July 2018.
- *Forensic Engineering Seminar*, NAFE, San Diego, California, January 2020.

## PROFESSIONAL LICENSES

*Registered Professional Engineer* Pennsylvania, 1971 - #PE017240E  
New Jersey, 1986 - #24GE03177600  
Delaware, 1988 - #7612

## PROFESSIONAL AFFILIATIONS

- National Academy of Forensic Engineers - *Board Certified Diplomate*
- American Society of Civil Engineers - *Life Member*
- National Society of Professional Engineers
- American Society of Safety Professionals [formerly ASSE]
- ASTM International [formerly American Society for Testing and Materials]
  - Committee F13 on Pedestrian/Safety and Traction for Footwear
  - Committee E58 on Forensic Engineering