DAVID V. DONOVAN JR., P.E., CFEI
Engineering Design & Testing Corp.
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EDT
Forensic Engineering & Consulting

ENGINEER: CIVIL/STRUCTURAL

EDUCATION

2003 — **Bachelor of Science, Civil Engineering (BSCE)**
Lafayette College, Acopian Engineering Center, Easton, Pennsylvania

EXPERIENCE

April 2011 to Present — **Engineering Design & Testing Corp.**
Cherry Hill, New Jersey

Forensic and Consulting Engineer
Providing residential, commercial, and industrial civil/structural examination of soils, foundations, walls, flooring, structural supports, roofs, interior and exterior finishes, means of access, building envelope, utilities (*i.e.*, storm sewer, sanitary sewer, potable water, gas, etc.), and site features. Conduct root cause analysis and damage assessment, relative to construction defects, site conditions, repair and maintenance, and/or damage, due to wind, flood, fire, freeze, hailstorm, moisture, groundwater, settlement, subsidence, hurricane, tornado, etc. Services also include environmental engineering, geotechnical engineering, land development engineering, wastewater treatment plants, dams, bridges, trip and/or slip and fall analysis, remediation analysis, damage scope, cost and value estimation, and contractor repair/replacement invoice review. Provide fire origin and cause investigations. Evaluate local, municipal, county, state, federal, and international code and compliance review of site features, such as terrain, walkways, parking lots, curbing, asphalt- and/or concrete-paved surfaces, swimming pools, stairways, ramps, trails, etc. Perform building, subdivision, land development, floodplain, and zoning standards and codes review. Provide expert witness deposition, mediation, court hearing, arbitration hearing, and trial testimony.

January 2005 to April 2011 — **Robert E. Blue, Consulting Engineers, P.C.**
Blue Bell, Pennsylvania

Project Manager
Provided design and consultation of commercial, residential, and industrial land development projects. Garnered compliance with governing regulations, relative to stormwater management, sanitary sewer, domestic water, utility, erosion and sedimentation controls, bridge modeling, earthwork, and floodplain studies. Achieved permitting procurement from municipal, county, state, and federal government agencies. Managed construction and scheduling of plan specifications, including unforeseen elements, such as sinkholes, sediment laden water, grading concerns, and utility conflicts. Submitted and received LEED certification applications and approvals. Conducted technical representation of land development projects at municipal and county planning commission and zoning board hearings. Examined and analyzed site conditions and construction defects.

June 2003 to January 2005 — **Knight Engineering, Inc.**
Mechanicsville, Pennsylvania

Project Engineer
Reviewed and prepared reports for commercial, residential, and industrial subdivision and land development projects, for compliance with municipal codes and ordinances.

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Engineering services in New York and North Carolina provided through the associated firm, EDT Engineers, P.C.

Conducted escrow cost and quantity estimate documentation and payment releases. Reviewed shop drawings and processed change orders. Inspected, coordinated, and approved construction installation activities, including stormwater facilities, structures, retaining walls, sinkholes, roadways, and erosion and sediment controls. Surveyed easements and lot/property boundaries. Drafted AutoCAD work, including easements, site bounds, roadways, and legal descriptions.

June 2002 to August 2002 **Koresko & Associates, A Professional Corporation**
Bridgeport, Pennsylvania

December 2002 to January 2003 *Legal Intern*
Reviewed and analyzed insurance information and tax documents. Electronically filed tax and insurance legal materials. Researched and analyzed case files for claims. Maintained and revised files and records for legal counsel. Worked as liaison between attorneys and clients to convey and transfer litigation files and legal documents.

June 2001 to August 2001 **Pennsylvania Department of Transportation**
King of Prussia, Pennsylvania

Engineering Intern
Inspected and provided consultation and construction management services in congruence with the $290-million project in King of Prussia, Pennsylvania, to widen the five-mile, six-lane section of U.S. Route 202 highway and to improve affected interchanges. Inspection services included monitoring the construction of bridges, caissons, roads, stormwater management facilities, retaining walls, and sinkholes. Tested concrete for highways, structures, and bridges, which included slump, strength, and 28-day curing tests. Prepared and filed daily logs and technical reports.

REGISTRATIONS and CERTIFICATIONS

Registered Professional Engineer in Delaware (#17714)

Registered Professional Engineer in Maryland (#41048)

Registered Professional Engineer in New Jersey (#24GE04987500)

Registered Professional Engineer in New York (#089976)

Registered Professional Engineer in North Carolina (048341)

Registered Professional Engineer in Pennsylvania (#PE075283)

Registered Professional Engineer in the District of Columbia (#PE906368)

Registered Professional Engineer in Virginia (#0402049667)

Registered Professional Engineer in West Virginia (#19341)

Certified Fire and Explosion Investigator (#16728-9000)

Infraspection Institute Certified Infrared Thermographer (Level I #8854)

National Council of Examiners for Engineering and Surveying (#45919)

PROFESSIONAL ORGANIZATIONS

American Concrete Institute (ACI)

American Society of Civil Engineers (ASCE)

Pennsylvania Society of Professional Engineers (PSPE)

Structural Engineering Institute (SEI)

SPEAKING ENGAGEMENTS

Hydrology – A Look at the Hydrologic Cycle, Stormwater Management, and Impacts of Flooding, EDT, February 2012, Orlando, Florida

Engineering Evaluation Tools for Lawyers; Case Study One - Flooded Wastewater Treatment Plant; Case Study Two - Damage to Fixed Cone Valve, Cozen O'Connor, January 2018, Philadelphia, Pennsylvania

CONTINUING EDUCATION

2018 *Metallurgy for the Non-Metallurgist and Its Use in Root Cause/Damage Assessments,* EDT, Orlando, FL

2017 *MSE Retaining Walls,* EDT, Albuquerque, NM

2016 *Primer Regarding Blast Loads on Structures,* EDT, Columbia, SC

2015 *Structural-Condition Assessment of Existing Structures,* ASCE, Braintree, MA

2014 *Engineers' Meeting,* EDT, Salt Lake City, UT

2013 *Engineers' Meeting,* EDT, Columbia, SC

2012 *Engineers' Meeting,* EDT, Orlando, FL
Level I – Qualitative Thermography, Infraspection Institute, Mount Laurel, NJ
Roofing Systems: A Primer for Engineers, ASCE, Cherry Hill, NJ

2011 *Advanced National Fire, Arson, and Explosion Investigation Training Program,* NAFI & NFPA, Sarasota, FL
CPR/AED Adult Training, American Red Cross, Lansdale, PA
Design and Renovation of Wood Structures, ASCE, Baltimore, MD
Exterior Wall Finish Systems, AIA, Philadelphia, PA
OSHA Confined Spaces Compliance Training, National Safety Council, Raleigh, NC

2010 *Pennsylvania Code, Ch. 102 Regulations,* PADEP, King of Prussia, PA

2006 *Highway Occupancy Permit Guidelines,* PennDOT, King of Prussia, PA

2004 *AutoCAD Version 16.1,* Middle Bucks Institute of Technology, Jamison, PA
Essential Trenching & Excavation Safety Training, PSAB, Media, PA