



**ENGINEER: CIVIL/STRUCTURAL**

**DAVID V. DONOVAN, JR., P.E., CFEI**  
Engineering Design & Testing Corp.  
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## **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.

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. 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**

*Legal Intern*

December 2002  
to January 2003 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)

**PRESENTATIONS**

“*Stiffleg Derricks: What Are They?*,” American Society of Civil Engineers: Construction Institute Summit  
2019, March 8, 2019, Atlanta, Georgia.

**CONTINUING EDUCATION**

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

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- 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