

ENGINEER: CIVIL/STRUCTURAL

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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 & 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 who 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 who 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
& December 2002
to January 2003

**Koresko & Associates, A Professional Corporation
Bridgeport, Pennsylvania**

Legal Intern who 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 who 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.

CONTINUING EDUCATION:

- MSE Retaining Walls, EDT, February 10, 2017, Albuquerque, NM
- Primer Regarding Blast Loads on Structures, EDT, February 5, 2016, Columbia, SC
- Structural-Condition Assessment of Existing Structures, ASCE, December 10-11, 2015, Braintree, MA
- 2014 Engineers' Meeting, EDT, February 7-8, 2014, Salt Lake City, UT
- 2013 Engineers' Meeting, EDT, February 8-9, 2013, Columbia, SC
- Level I – Qualitative Thermography, Infraspection Institute, April 30 – May 4, 2012, Mount Laurel, NJ
- Roofing Systems: A Primer for Engineers, ASCE, April 2, 2012, Cherry Hill, NJ
- 2012 Engineers' Meeting, EDT, February 10-11, 2012, Orlando, FL
- Exterior Wall Finish Systems, AIA, December 13, 2011, Philadelphia, PA
- Design and Renovation of Wood Structures, ASCE, September 15-16, 2011, Baltimore, MD
- 2011 Advanced National Fire, Arson, and Explosion Investigation Training Program, NAFI & NFPA, August 2-4, 2011, Sarasota, FL
- OSHA Confined Spaces Compliance Training, National Safety Council, May 24, 2011, Raleigh, NC
- CPR/AED Adult Training, American Red Cross, May 18, 2011, Lansdale, PA
- Pennsylvania Code, Ch. 102 Regulations, PADEP, November 2, 2010, King of Prussia, PA
- Highway Occupancy Permit Guidelines, PennDOT, April 2006, King of Prussia, PA
- AutoCAD Version 16.1, Middle Bucks Institute of Technology, March – May 2004, Jamison, PA
- Essential Trenching & Excavation Safety Training, PSAB, August, 2004, Media, PA

SPEAKING ENGAGEMENTS:

Hydrology – A Look at the Hydrologic Cycle, Stormwater Management, and Impacts of Flooding, Engineering Design & Testing Corp., February 11, 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 11, 2018, Philadelphia, Pennsylvania

PROFESSIONAL ORGANIZATIONS:

American Society of Civil Engineers (ASCE)
Pennsylvania Society of Professional Engineers (PSPE)
American Concrete Institute (ACI)
Structural Engineering Institute (SEI)
National Society of Professional Engineers (NSPE)
Association of State Dam Safety Officials (ASDSO #159211)
National Association of Fire Investigators (NAFI #16728)

PROFESSIONAL LICENSURES AND REGISTRATIONS:

Registered Professional Engineer in Pennsylvania (#PE075283)
Registered Professional Engineer in Maryland (#41048)
Registered Professional Engineer in West Virginia (#19341)
Registered Professional Engineer in New York (#089976)
Registered Professional Engineer in the District of Columbia (#PE906368)
Registered Professional Engineer in Virginia (#0402049667)
Registered Professional Engineer in Delaware (#17714)
Registered Professional Engineer in New Jersey (#24GE04987500)
National Council of Examiners for Engineering and Surveying (#45919)
Infraspection Institute Certified Infrared Thermographer (Level I #8854)
Certified Fire and Explosion Investigator (#16728-9000)