

# STANLEY C. STOLL, M.Eng., P.E., DFE, CFEI, CVFI



## EDUCATION:

B.S. Civil and Environmental Engineering, University of Louisville, Louisville, KY, May 2009  
M.Eng. Civil Engineering, (Structural), University of Louisville, Louisville, KY August 2009  
Noncommissioned Officer School, United States Army, May 2002

## REGISTRATIONS:

Mr. Stoll is a Registered Professional Engineer in AZ, CA, CO, KS, MN, MT, NV, NM, TX, and UT.  
Mr. Stoll is a Certified Fire and Explosion Investigator (CFEI) & Certified Vehicle Fire Investigator (CVFI).  
Mr. Stoll is a Board-Certified Diplomat in Forensic Engineering by the National Academy of Forensic Engineers.  
NCEES Record Holder #53483

## EXPERIENCE:

Principal Engineer, Knott Laboratory, LLC, Centennial, Colorado, 2010 to current; Project Engineer, Cornerstone Engineering, Inc., Louisville, Kentucky, August 2006 to January 2010; Graduate Research, University of Louisville, Louisville, Kentucky, May 2008 to August 2010; Contractor, Burnett Construction, Montrose, Colorado, May 1996 to August 2004; Combat Engineer, Colorado Army National Guard, August 2003 to August 2004; Combat Engineer, United States Army, August 1999 to August 2003

## FORENSIC ENGINEERING:

Mr. Stoll has investigated and overseen thousands of cases involving property damage from fire, fire suppression systems, flood, moisture intrusion, inadequate drainage, pipe failure, corrosion, hail, wind, mold, soil expansion and subsidence, foundation failure, structural member failure, vehicular collisions, construction defects, and mechanical damage. Mr. Stoll's experience with design and construction from conceptual stage to final building occupancy has given him a thorough understanding of the design/construction process, relevant standards of care and building code requirements, enabling him to accurately identify origins of structural failures. At Knott Laboratory, Mr. Stoll conducts structural evaluations and failure analysis on residential and commercial structures, building envelopes and civil systems and has experience in destructive testing, non-destructive testing and simulation of failure modes and scenarios. Mr. Stoll has overseen and designed the repairs to a significant number of those investigated failures.

Mr. Stoll is the Principal Engineer of Knott's Foundation Pro Engineering division which specializes in the investigation, design, and implementation of repairs of failed and damaged foundations. Mr. Stoll has evaluated everything from residential foundations to complex commercial foundations. Mr. Stoll has diagnosed the soil characteristic and performance factors of both expansive and collapsible soil that have induced foundation movement and damage. Mr. Stoll has designed proprietary custom brackets for lifting structures.

Mr. Stoll is also a Senior Fire and Explosion Investigator at Knott Laboratory certified in both structure and vehicular fires. Mr. Stoll's experience extends from his operations as an explosive expert in the U.S. Army. Mr. Stoll has investigated fires that originated from mechanical and appliance failures to electrical failures to arson and successfully finalized the cases for various insurance adjusters and attorneys.

## ENGINEERING AND DESIGN:

Mr. Stoll has overseen the construction and design of small wood-framed projects to large concrete and steel-framed hospitals and parking garages. Mr. Stoll has specialized in the management and design for restoring distressed and historic structures.

Example Projects:

- Hundreds of repairs to residential and commercial structures as a result of environmental and man-made damages
- Louisville Arena & 3-Story Parking Facility: Special Inspection concrete foundation (\$249 million project)
- University of Louisville Bio-Medical Research Facility: Special Inspection (concrete framed \$140 million project)
- Norton Brownsboro Hospital: Special Inspection (steel framed \$90 million project)
- Multiple Public School Addition Designs and Inspections – Masonry, Steel, and Concrete Framed
- Ohio River Concrete Floodwall Rehabilitation
- Three Multi-Level Concrete Parking Garages Evaluation & Strengthening
- Facility Condition Assessments and repair recommendation/implementation (Grand Junction Regional Airport, Grand Junction High School, Montrose Methodist Church)
- Louisville Water Company: Condition Assessment of 23 Water Treatment Structural Facilities
- Parker Residence, originally constructed in 1805: Historical restoration, renovation & addition (\$2 million project)

## MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS:

Mr. Stoll is a member of the following technical and professional societies.

ASCE	American Society of Civil Engineers	NSPE	National Society of Professional Engineers
NAFI	National Association of Fire Investigators	SEAC	Structural Engineers Association of Colorado
NFPA	National Fire Protection Association	IAAI	International Association of Arson Investigators
NAFE	National Academy of Forensic Engineers		

