

## Clinton Davis | Sr. Forensic Engineer, P.E.

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### Professional Summary:

Mr. Davis has investigated a multitude of failures in many industries included in the public and private sectors and has recommended and reported his cause and origin analysis that included associated design/repair or replacement procedures that has assisted numerous law firms and insurance carriers in the resolution of litigation and disputed claims. He is a registered Professional Engineer in Kentucky, Indiana, Ohio, Tennessee, West Virginia, North Carolina, South Carolina, Alabama, Florida, Texas, Arkansas, Mississippi, and Louisiana with 25+ years of experience in engineering management and consultation, structural design, construction, industrial, mechanical, electrical, manufacturing, materials, and forensic failure analysis. He has conducted forensic investigations of government, commercial, and residential structures, and utilized his education and expertise associated with industrial facilities and infrastructure, such as roads, bridges, and utilities. Losses have ranged from hundreds to millions of dollars. He has responded to natural disasters including floods, hurricanes, and tornadoes. In addition, Clinton's expertise and experience in ergonomics, operator safety, and productivity gives him unique insights toward addressing worker compensation claims. He is capable of performing all types of engineering analysis and giving expert testimony as to the results of his investigations.

### Areas of Expertise:

- Evaluation of government, institutional, commercial, and residential structures
- Construction defect assessment
- Flood damage assessment
- Post fire structural assessment
- Tornado and hurricane damage assessment
- Evaluation of structural damage from vehicle impacts
- Earthquake damage assessment
- Geotechnical failure investigations
- Roof assessments

### Licenses and Certifications:

Professional Engineer, Kentucky, # 23479  
Professional Engineer, Indiana, # 11500210  
Professional Engineer, Ohio, # 79973  
Professional Engineer, Tennessee, # 118122  
Professional Engineer, West Virginia, #23228  
Professional Engineer, North Carolina, # 47420  
Professional Engineer, South Carolina, # 36076  
Professional Engineer, Alabama, # 37913

Professional Engineer, Florida, # 83943  
Professional Engineer, Texas, # 128181  
Professional Engineer, Arkansas, # 19586  
Professional Engineer, Mississippi, # 31250  
Professional Engineer, Louisiana, # 45129

### Project Experience:

#### **Investigated numerous Institutions, Retail Centers, Warehouses, Hospitals, Medical Centers, Medical/Dental Offices, and Churches**

Evaluation of a multitude of building types for structural damage and associated construction defects.

#### **Numerous new and previously constructed Commercial, Apartments, Condominiums, to include Single-Family Residential Investigations**

Including evaluations of a multitude of building types for structural damage and associated construction defects.

#### **Construction Defect Assessment**

Evaluation of machines, materials, and man to include;

- foundation/flashing/waterproofing/roofing with associated construction defects
- damage associated with all workmanship and construction defects
- all types of moisture intrusion to include mechanical pipe and machines failures

#### **Storm Assessments**

Evaluation of structural damage as a result of acts of God, natural disasters, storm events producing, flooding, wind, and hail damage to include hurricanes and tornadoes

#### **Hurricane Damage Assessments**

Evaluation of flood, surge, and wind damage to residential and commercial structures.

#### **Hurricane Florence – North Carolina**

#### **Hurricane Harvey – Houston, Texas**

#### **Hurricane Irma – Florida Keys, Florida**

#### **Hurricane Ian – Ft. Myers, Florida**

#### **Insurance Assessments**

**Fire – Structural Damage Assessment** Responsible for safety of public and all associated parties to stabilize and salvage. Responsible for safety measures required to conduct multi-party fire investigations.

#### **Roof Damage Evaluation**

Assisted with the evaluation of roof damage claims for 100's of single-family homes and 100's of multi-family and commercial buildings including 1M square foot warehouse facilities with thousands of water leaks and damage to inventory as a result of a winter snow and ice storm. Determined root cause of failure and assisted in the development of repair alternatives. Insurance claims in excess of \$10M.

### Professional Experience:

EFI Global, Inc. / Senior Engineer, January 2023 - Present  
Forensic Engineering and Consulting LLC (FEC), VP of Engineering, February 2020  
Clint.Works dba Forensic Engineering and Consulting (FEC), Principal, Senior Management Consultant, May 2019  
EFI Global / Unified Investigations & Sciences, Senior Forensic Civil / Structural Engineer, January 2015 – May 2019  
Louisville Metro Government, Project Manager / Engineer III, August 2007 – January 2015  
HBA Architecture & Interior Design, Forensic Engineer, November 2006 – May 2007  
On The Rock Engineering, March 2006 – October 2006  
Decker College, Lead Instructor, November 2004 - August 2005  
Total Concepts of Design, Engineering Manager, August 2004 - September 2004  
Stock Manufacturing and Design, Design Engineer, February 2004 - June 2004  
ISYS Engineering Incorporated, Engineering Consultant, April 2002 - February 2004  
Aquatic Access Incorporated, Operations Manager, August 2001 - April 2002  
Ford Motor Company, Process Engineer, January 2000 – August 2001  
Aquatic Access Incorporated, Operations Manager, June 1998 – January 2000  
Indianapolis Casting Corporation, Industrial Engineer, December 1997 - May 1998  
Hitachi Automotive Products, Industrial Engineer, June 1997 – December 1997

### Specialized Education:

Structural Steel Layout and Fabrication, 2023  
Fundamentals of Fire Science & Protection, 2023  
Online-PDH, Coastal Construction: Constructing the Building, 2021  
Online-PDH, FEMA Guide to the Repair of Flood Damaged Structures, 2021  
Online-PDH, Coastal Construction: Identifying Hazards, 2021  
Online-PDH, Coastal Construction: Designing the Building Envelope, 2021  
Online-PDH, Coastal Construction: Maintaining the Building, 2021  
Testing Procedures for Soil, Concrete, and Asphalt, 2021  
In-situ and Lab Testing Procedures for Soil, Concrete, and Asphalt, 2020  
Online-PDH, Coastal Construction: Constructing the Building, 2020 (Tested)  
Online-PDH, FEMA Guide to the Repair of Flood Damaged Structures, 2020 (Tested)  
Online-PDH, Coastal Construction: Identifying Hazards, 2020 (Tested)  
Online-PDH, Coastal Construction: Designing the Building Envelope, 2020 (Tested)  
Online-PDH, Coastal Construction: Maintaining the Building Envelope, 2020 (Tested)  
EFI Global, Inc., Introduction to Flood Inspection, 2018 (Tested)  
CPE Solutions, LLC, Best Practices: A Guide to Achieving Operational Efficiency, 2017 (Tested)  
CPE Solutions, LLC, Facilities Engineering Maintenance and Repair of Architectural and Structural Elements of Buildings and Structures, 2017 (Tested)  
CPE Solutions, LLC, Engineering and Design Retaining and Flood Walls, 2017 (Tested)  
National Society of Professional Insurance Investigators, presented "Choosing the Right Experts" at the 2015 Advanced Insurance Fraud Seminar, 2015  
Unified Investigations & Sciences, Private Investigators & Engineers Forensic Investigation Training, 2015, 16 Hours (Tested)  
Humana Quality Engineering, Humana Green Belt Six Sigma Methodology, 2014, Certificate #: 2014GBMG000009 (Tested)

University of Louisville, Delphi Center for Teaching & Learning Continuing & Professional Education, Advanced Project Management Training, June 25, 2014, 42 Hours (Tested)

Office Environment Company, Louisville, KY, Haworth, Design Versus the Left Brain, April 22, 2014, 2 Hours (Tested)

ACI KY & Kentuckiana CPG, Durable Concrete, Making It...Testing It, March 27, 2014, 1.5 Hours (Tested)

Office Environment Company, Haworth, Maintaining Biodiversity, March 25, 2014, 3 Hours (Tested)

Precast/Pre-stressed Concrete Institute, Weathering, October 21, 2013, 1 Hour

Office Environment Company, Haworth, Trends Influencing Workplace, September 17, 2013, 2 Hours (Tested)

Office Environment Company, Haworth, Green Building & Sustainable Goals, March 13, 2013, 2 Hours, (Tested)

McGraw Hill Construction Continuing Education Center, Solar Revival (February 2011), January 10, 2013, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Working with Water, (March 2011) January 10, 2013, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, First in Their Class: Innovative Design Solutions for Schools of the Future (January 2011), December 31, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Next Generation, Recycled Rubber Flooring (February 2011), December 31, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Brooklyn Bridge Park (January 2011), December 28, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Fiberglass Windows: A Sustainable Choice in Non-Residential and Multi-Family Buildings (December 2010), December 28, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Sliding Hardware Systems: More than Utilitarian Engineering (December 2010), December 27, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Preservative-Treated Wood: Copper Azole Treatment (December 2010) December 24, 2012, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Zeroing in on Net-Zero Energy (December 2010), December 24, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Practical Factors Related to the Inspection, Evaluation & Load Rating of Installed Culverts, December 14, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, LRFD Implementation of Shallow Spread Footings for Bridge Structures, December 10, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Specifying a Vehicular Prefabricated Steel Truss Bridge, December 7, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, The Design of Fiber Reinforced Composite Materials for Strengthening of Existing Structures, November 27, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Guidelines for Development Around Tunnels & Seismic Compliance of Underground Structures, November 27, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Designing Structures for Tsunami Resistance, November 26, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Energy Analysis That Fits Your Building Project, November 26, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Geosynthetics in Articulating Concrete Block Section Design, November 26, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, New Seismic Stabilization Technology for Retrofits & New construction, November 14, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Differential Shortening of Tall Steel Building Columns, November 14, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, IPD, BIM, and Supply Chain Optimization: Bottom-Line Benefits of 3D-Enabled Lean Delivery for AEC, November 13, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Practical Considerations Related to the Use of Alternative Backfill Materials for Flexible Soil-Interaction Structure Installation, November 12, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Practical Factors Related to the Inspection, Evaluation & Load Rating of Installed Culverts, December 14, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Thin Slab Floor Systems for High Rise Towers, November 1, 2012, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Cistern Design Considerations for Large Rainwater Harvesting Systems, October 25, 2012, 1 Hour (Tested)

Office Environment Company, Haworth, Collaboration: The Ways We Work, September 11, 2012, 2 Hours (Tested)

Contech Engineering Solutions, Planning, Design & Implementation of DuroMaxx Steel Reinforced Polyethylene Technology Solutions in Engineering & Architectural Projects, February 15, 2012, 1 Hour

Contech Construction Products, Inc., Contech Construction Products Technical Presentation, May 11, 2011, 3 Hours

MechoShade Systems, Inc., Louisville, KY, An Analysis of Contemporary Shading Solutions, June 29, 2011

Contech Construction Products, Inc., Design Considerations for Pedestrian Truss Bridge Structures, December 6, 2011, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Design Alternatives to the Enclosed Elevator Lobby: Fire & Smoke Safety Solutions (November 2009), November 7, 2011, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Integrating Solar Electric Systems into Roofing Design (November 2009), November 9, 2011, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Into Thin Air (November 2009), October 6, 2011, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Quenching the Built Environment's Thirst for Water (October 2009), October 6, 2011, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Intrinsic Materials: Modernism, Sustainability & Fiber Cement Panels (October 2009), October 6, 2011, 1 Hour (Tested)

Zweigwhite, The Professional Development Course, Better Infrastructure Management with Information Modeling, September 22, 2011, 1 Hour (Tested)

Office Environment Company, Haworth, The Changing Nature of Work: Does Place Matter? November 16, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Getting High Design from a Low-Tech Approach (October 2008), October 22, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Verdant Surfaces (September 2008), September 30, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Some Assembly Required (September 2008), September 30, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Hot Water on Demand: Natural Gas Tankless How Water Heaters Fit Your Energy Budget (September 2008), September 9, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Achieving Fire Protection of Electrical Life Safety Circuits (August 2008), August 13, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Design Professionals Follow the Physician's Precept: (August 2008), August 12, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Lighting Control in the Office Space (August 2008), August 12, 2010, 1 Hour (Tested)

Office Environment Company, Haworth, The Changing Nature of Work: Does Place Matter? November 16, 2010, 1 Hour (Tested)

Office Environment Company, Haworth, Understanding Adaptable Workspace Solutions, August 11, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Some Like It Radiant (August 2010), August 11, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Zinc: The Sustainable Choice Among Architectural Metals (July 2010), August 10, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Innovations in Smart, Universal, Energy- Efficient & Water-Saving Home Appliances (July 2010), August 10, 2010, 1 Hour (Tested)

McGraw Hill Construction Continuing Education Center, Beyond Limits (August 2010), August 10, 2010, 1 Hour, (Tested)

McGraw Hill Construction Continuing Education Center, Vertical Wheelchair Lifts: Specifying for Safety, Accessibility & Building Needs (April 2010), August 10, 2010, 1 Hour (Tested)

Kentucky Ready Mixed Concrete Association & the Kentuckiana Concrete Promotion Group (KRMCA & KCPG), ACI 330-The Gold Standard of Concrete Parking Lot Design, June 29, 2010, 1 Hour (Tested)

Office Environment Company, Haworth, Understanding Adaptable Workspace Solutions, August 11, 2010, 1 Hour (Tested)

Office Environment Company, Haworth, Occupant – Centered Design for Sustainable Organizations, May 19, 2010, 1 Hour (Tested)

Contech Construction Products, Inc., Contech Construction Products Technical Presentation, May 11, 2011, 2 Hours

Thermal Equipment Sales, Inc., Louisville, KY, Interoperable Building Automation, April 22, 2010, 3 Hours (Tested)

American Society of Heating, Refrigerating & Air Conditioning Engineers, Inc., Right from the Start- Commissioning for High Performing Buildings, April 21, 2010, 3 Hours (Tested)

IAI Central Kentucky Chapter, USGBC Kentucky Chapter, From Voluntary to Mandatory: New Laws in Sustainable Design & Construction, March 3, 2010, 1.5 Hours (Tested)

AIA Central Kentucky Chapter, Turner Construction, Integrated Project Delivery, March 3, 2010, 1.5 Hours (Tested)

## Education:

Master of Engineering (MEN), University of Louisville, Louisville, Kentucky, May 2001

Bachelor of Science in Industrial Engineering (BSIE), University of Louisville, Louisville, Kentucky, May 1997