



DAY
ENGINEERING
CONSULTANTS
LLC

Corbin D. Swain, P.E., S.E.

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PROFILE

A structural engineer with over 26 years of experience in the field of construction management, structural engineering, and forensic inspections. Comprehensive knowledge of various design standards, building codes, and construction practices. Mr. Swain has performed over one thousand forensic inspections of residential and commercial buildings to determine cause and extent of damage resulting from wind, hail, fire, tornadoes, earthquakes, construction defects, explosions, vehicle impacts, soil movement, and catastrophes such as Hurricane Harvey, Hurricane Florence, and Hurricane Michael. As a result of this work, Mr. Swain has been consulted as an expert witness for multiple legal cases involving cause/extent of damage and construction defects.



AREAS OF EXPERTISE

- Structural Failure Analysis
- Construction & Design Defect Evaluation
- Storm Damage Assessment (Wind, Hail, Fire, Tornado, Seismic)
- Expert Witness Testimony & Litigation Support
- Building Code Analysis (IBC, IRC, ASCE, ACI, AISC, NWS)
- Structural Systems & Building Envelope Assessment

PROFESSIONAL EXPERIENCE

Day Engineering Consultants, LLC

President | Structural Engineer

Tulsa, OK

2018 – Present

- Perform forensic investigations of residential and commercial structures to determine cause and extent of damage.
- Evaluate damage related to wind, hail, fire, explosion, vehicle impact, soil movement, and construction defects.
- Analyze structural systems and building components to differentiate between design deficiencies, construction issues, and external loading events.
- Prepare detailed engineering reports.
- Provide expert opinions and testimony in legal proceedings involving storm damage, structural damage, and construction defects.

Envista Forensics (formerly PT&C|LWG)*Project Engineer*Tulsa, OK
2015 – 2018

- Conducted forensic evaluations of structural damage for insurance and legal clients.
- Investigated large-loss and catastrophe claims including hurricanes (Harvey, Florence, Michael), tornadoes, and severe weather events.
- Determined cause and extent of damage to residential and commercial properties.
- Authored clear, concise, and defensible technical reports.

Willbros Engineering*Senior Civil/Structural Engineer*Tulsa, OK
2014 – 2015

- Designed structural systems for oil and gas facilities including compressor stations, pump stations, and storage facilities.
- Applied industry standards and codes to ensure structural integrity in industrial environments.

Explorer Pipeline*Project Engineer III*Tulsa, OK
2012 – 2014

- Managed engineering and construction of petroleum pipeline projects.
- Provided technical support for operations and business development.

Wallace Engineering*Structural Engineer*Tulsa, OK
2007 – 2012

- Designed structural retrofits and expansions for existing buildings.
- Performed analysis and upgrades of lateral force-resisting systems.
- Work involved existing buildings located throughout the United States

PK Associates, LLC (formerly Paul-Koehler Consulting Structural Engineers)*Structural Engineer*Phoenix, AZ
2006 – 2007

- Structural engineer for design of new structures, principally to ensure local building code compliance (IBC, ASCE, AISC, ACI).

McCarthy Building Companies*Project Engineer/Superintendent*Las Vegas, NV; Phoenix, AZ
2002 – 2006

- Commercial construction superintendent responsible for day-to-day direction, scheduling, and coordination with subcontractors.

Hunt Construction Group*Project Engineer*Dallas, TX
2000 – 2002

- Project engineer for commercial construction projects responsible for project documentation, including requests for information, all shop drawings and submittals, change orders, and contract documents.

EDUCATION

- Oklahoma State University, Bachelor of Science in Civil Engineering, December 1998
- Oklahoma State University, Master of Science in Civil Engineering, December 1999

LICENSES

Professional Engineer (P.E.)

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| • Oklahoma (S.E.) | • Colorado | • Missouri |
| • Alabama | • Florida | • Texas |
| • Arkansas | • Kansas | |
| • South Carolina | • Mississippi | |

PROFESSIONAL AFFILIATIONS

- Oklahoma Structural Engineers Association