
PROFILE

A Principal Engineer with over 21 years of engineering experience that includes structural engineering, geotechnical engineering, and construction material testing. Mr. Gibson has completed the analysis and design for new building structures and developed design documents for the structural repair/remodel of existing structures. Mr. Gibson has conducted numerous forensic investigations – assessing damage and providing repair recommendations for structures subjected to storm-induced forces (e.g., hail, wind), vehicle impacts, fires, explosions, water/moisture intrusion, differential foundation movement, and construction deficiencies. This forensic experience includes providing expert services for litigated disputes. Overall, his career has included the geotechnical analysis of soils, as well as the design and/or assessment of residential, multi-family, commercial, educational, religious, medical, governmental, and industrial structures comprised of steel, concrete, masonry, and wood. Key strengths include the following:

- Gravity Load Analysis
- Wind Load Analysis
- Structural Steel Construction
- Concrete Construction
- Concrete Masonry Construction
- Wood Construction
- Building Code Evaluation
- Retaining Wall Assessment
- Light Gauge Metal Construction
- Structural Collapse Evaluation
- Building Envelope Evaluation
- Geotechnical Analysis
- Foundation Design and Assessment
- Vehicle-Impact Damage Assessment
- Fire Damage Assessment
- Wind Damage Assessment
- Hail Damage Assessment
- Flood Damage Assessment
- Explosion Damage Assessment
- Water/Moisture Infiltration Assessment
- Construction Deficiencies
- Commercial, Industrial, Religious, Educational, and Residential Buildings

EDUCATION

Bachelor of Science, Civil Engineering, 2003

Texas A&M University – College Station, Texas

PROFESSIONAL BACKGROUND

Scout Forensics LLC (San Antonio, Texas)

Principal Engineer – August 2024 to Present

Envista Forensics (San Antonio, Texas)

Regional Technical Leader – January 2023 to August 2024

Principal Consultant – October 2019 to January 2023

Technical Field Supervisor – March 2018 to October 2019

Professional Development Manager – April 2017 to March 2018

Senior Project Engineer – November 2012 to April 2017

Gessner Engineering, LLC (College Station, Texas)

Senior Project Engineer/Project Manager – December 2007 to November 2012

Project Engineer – May 2003 to December 2007

LICENSURE

Professional Engineer (PE) – Texas

Principles and Practice of Engineering Exam, Structural Emphasis, 2007

Remote Pilot in Command, Commercial Operator (Part 107)

REPRESENTATIVE FORENSIC EXPERIENCE

Commercial, Educational, Religious, Industrial, and Residential Structural Inspections

United States

Performed forensic structural inspections on numerous properties throughout Texas when requested by insurance carriers, attorneys, property owners, realtors, or potential buyers to determine the cause and origin of damage, extent of damage, and/or remediation recommendations. Evaluated structures subjected to storm-induced forces (e.g., tornados, hurricanes, high winds), vehicle/tree impacts, fires, explosions, water/moisture intrusion, construction deficiencies, and excessive loading. As part of his forensic experience, Mr. Gibson has provided litigation support services in multiple legal matters.

Differential Foundation Movement Assessments

Texas

Performed forensic structural inspections on numerous residential and commercial building foundations when requested by insurance carriers or attorneys to determine cause and origin of movement and/or cracking to the foundation and/or building structures.

Retaining Wall Structural Inspections

Texas

Performed forensic structural inspections on multiple retaining wall structures and/or basements when requested by insurance carriers to determine cause and origin of failure, cracking, or moisture intrusion through the thickness of the walls.

REPRESENTATIVE DESIGN EXPERIENCE

Residential Structures*Central Texas*

Structural project manager for the structural design of numerous residential structures. The structures incorporated steel, wood, masonry, and concrete elements. The foundations for the residences consisted of structural concrete, wood and steel-framed pier and beam systems, as well as conventionally reinforced concrete slabs-on-grade – both with and without piers.

Commercial Structures*Texas*

Structural project manager for the structural design of numerous commercial structures that incorporated steel, masonry, wood, and concrete elements. The foundations for the structures consisted of structural concrete, steel-framed pier and beam systems, as well as conventionally reinforced concrete slabs-on-grade – both with and without piers.