



PERSONNEL QUALIFICATIONS

John B. Turner | Senior Associate



EDUCATION

- Texas A&M University
 - Bachelor of Science, Safety Engineering, 1988
- Texas Tech University
 - Master of Science, Civil Engineering, 2004

PRACTICE AREAS

- Failure/Damage Investigation
- Repair and Rehabilitation
- Concrete Structures
- Wood Structures
- Structural Metals
- Structural Analysis
- Litigation Consulting
- Construction Materials

REGISTRATIONS

- Professional Engineer in TX
- Certified Safety Professional

PROFESSIONAL AFFILIATIONS

- American Concrete Institute
- ASTM International
- Structural Engineers Association of Texas, board member and past chapter president

CONTACT

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EXPERIENCE

John Turner investigates structural distress and evaluates conditions of existing structures. Using visual observations, nondestructive testing, document review, engineering analysis, and other techniques, he identifies the extent and significance of distress. His projects commonly focus on how and why structural distress has occurred and how best to restore a structure's strength and function. Mr. Turner has experience with most construction methods and materials. Drawing on his experience as a FEMA-trained Disaster Engineer, he provides guidance on safety and stability of buildings in the aftermath of natural and manmade disasters. His projects can begin before it is safe to enter the structure and end when the structure is back to full use.

Mr. Turner's experience combines several years as a structural design engineer with nearly twenty years of experience in mishap investigation, failure analysis, education, industrial operations, and construction safety. As a designer, he served on design teams for schools, hospitals, warehouses, office buildings, and government facilities. Mr. Turner recently worked with the steel reinforcement industry as it pursued code changes for the use of high-strength steel reinforcement and other new technologies.

REPRESENTATIVE PROJECTS

Failure/Damage Investigation

- Parking Garage - Dallas, TX: Determination of cause and litigation support for garage's partial collapse
- The Retreat Clubhouse - Cleburne, TX: Evaluation and repair of wood structure following a partial collapse

Structural Analysis

- Public School Football Stadium - TX: Assessment of condition and reparability following fire
- Church Steeple - Dallas, TX: Evaluation of windstorm damage and proposal of the scope of repair

- Bank Building Facades - TX and LA: Evaluation of building facades for distress
- Warehouse and Manufacturing Facility - TX: Evaluation of elevated concrete slab to determine cause of cracking

Repair and Rehabilitation

- Dallas County Criminal Courts - Dallas, TX: Design of repairs of deteriorated structural steel frame supporting concrete walkways
- St. Andrews Episcopal Church - Farmers Branch, TX: Determination of cause of distress and design of repairs to restore the heavy timber building structure
- Precast parking garage - Irving, TX: Evaluation and design of repairs to restore structural integrity and improve serviceability

TECHNICAL COMMITTEES

- ACI 301 - Specifications for Structural Concrete
- ACI 117 - Tolerances
- ASTM A1.05 - Steel Reinforcement
- SEI - Disproportionate Collapse Mitigation of Building Structures Standards
- Texas A&M University Commerce - Construction Engineering Industry Advisory Board