



KERRY KREITMAN, PH.D., P.E.
PROJECT ENGINEER

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EXPERIENCE

Kerry is a dedicated problem-solver with diverse experience in the assessment, testing, and repair of existing structures. She has led condition assessments of major infrastructure systems, post-failure investigations, and structural monitoring programs.

PRACTICE AREAS

- Structural Assessment
- Forensic Investigations
- Nondestructive Evaluation
- Instrumentation and Monitoring
- Structural Repairs

REGISTRATIONS

- Professional Engineer: TX

PROFESSIONAL ACTIVITIES

- American Institute of Steel Construction
Task Committee 12 – Quality
Task Committee 5 – Composite Design
- Structural Stability Research Council

EDUCATION

Washington University in St. Louis
B.S. in Civil Engineering, 2009

The University of Texas at Austin
M.S. in Civil Engineering, 2011
Ph.D. in Civil Engineering, 2016

REPRESENTATIVE PROJECTS

Flood Control Channel Assessment Performed a condition assessment of several miles of reinforced concrete channel. Developed a ranking methodology, an inspection program, and repair recommendations for long-term asset management of a 45-mile channel system.

Bridge Cable Anchorage Failures Investigated wind-induced vibrations of cables and subsequent fatigue failures of cable anchorage components through extensive field testing and monitoring. Recommended retrofit options to improve the fatigue performance.

Crane Collapse Evaluated the collapse of a tower crane in a windstorm. Reviewed evidence and performed structural analyses to identify the most likely cause of collapse. Provided litigation support.

Composite Floor Evaluation Evaluated excessive deflections and vibrations of a composite floor system. Provided support for design and construction of repairs.

Stadium Repairs Designed temporary steel supports and permanent repairs for reinforced concrete columns damaged by uncontrolled demolition. Provided construction administration for the repairs.

PT Demolition Support Investigated post-tensioning systems in 1960s-era structures. Designed shoring and recommended strategies to maintain structural integrity and safety during demolition.

Steel Erection Evaluation Assessed out-of-plumb and out-of-level construction of cantilevered steel framing of a university building. Investigated the impact of the erection sequence.

Wastewater Treatment Plant Assessment Evaluated conditions of 30-year-old reinforced concrete tanks deteriorated by alkali-silica reaction. Recommended repairs to extend service life.

Complex Steel Connections Evaluated complex steel connection details for fabrication cost, efficiency, and constructability. Provided litigation support.

Convention Center Evaluation Assessed dynamic behavior of floor supported by 200-foot-long steel trusses. Evaluated strength of existing columns and truss members. Recommended retrofits to mitigate vibrations and address strength deficiencies.