

Curriculum Vitae - Brian C. Kramer, PE, GE Principal Engineer

Overview:

When you put someone on the witness stand to testify on your behalf, credibility is essential. Few experts in the industry possess the leadership qualities, communication skills, professional qualifications, industry expertise, and engineering experience of Brian Kramer. For the past 25 years, Brian has been a practicing civil, geotechnical and materials engineer, directing design engineering and construction oversight on projects ranging from single-family homes to heavy civil construction. He has testified as both a defense and plaintiff expert in over 50 depositions and 10 trials.

Education and Certifications:

Master of Business Administration - University of California, Irvine

Bachelor of Science, Civil Engineering - San Diego State University

Registered Geotechnical Engineer - California, GE 2571

Registered Civil Engineer - California, RCE 54282

Professional Engineer - Utah 12592976-2202

Professional Affiliations:

Advisory and Development Council Member, CSU, Long Beach, College of Engineering

Member, Young Presidents Organization (YPO)

Member, San Diego State University Alumni Association

Member, Chi Epsilon Civil Engineering Honor Society

Technical Experience:

- Broad experience on residential, commercial, infrastructure, and public use facilities.
- Geotechnical investigations, analyses and evaluations relative to development.
- Forensic consulting, expert witness testimony, forensic evaluations, and construction defect litigation cases: distressed structures and earthquake damage.
- Design input on slabs and foundation systems: pipe piles, dense aggregate piers, and deep foundations consisting of driven piles or caissons.
- Design and implementation of subsurface exploration programs: small and large diameter auger borings and cone penetrometer testing.
- Field testing and inspection supervision on major construction projects: grading, concrete field testing and inspection, soils and materials sampling, and production plant inspection.
- Performance analysis and design: slope stability analyses, flexible/rigid pavement design, and subgrade stabilization design.
- Excavation studies: tunneling, dewatering, and blasting zone of influence.

- Excavation stability analysis: anchored bulkheads and trench shoring.
- Soils/Geotechnical Engineer of Record: report preparation, plan review, and approval.
- Field testing and inspection oversight on major construction projects: field density testing, concrete field testing and inspection, soils and materials sampling.
- Geotechnical and materials specifications conformance review: project specifications and applicable codes, including Caltrans, DSA, OSHPD, and IBC.
- Technical oversight during construction of retaining structures, post-tensioned and pre-stressed concrete, reinforced masonry, structural steel, and reinforced concrete.
- Moisture vapor emission rate and relative humidity testing oversight and performance.

Professional Experience:

2021 – Current: Spider Solutions, LLC, Principal

Providing construction defect litigation and geotechnical consulting services, as well as board advisory, consulting, and executive level coaching primarily to the engineering and construction industry.

2010 – 2021: Quality Built, CEO and Principal Engineer

As CEO and Principal Engineer of Quality Built, Brian led a nationwide team providing third party quality assurance services to primarily the single, multi-family, and mixed-use development segments within the residential construction industry. Provided technical oversight for engineers, architects, and building inspection experts. Served as a forensic consultant and expert witness.

2003 – 2012: Twining Inc., CEO and Principal Engineer

For a firm with over 300 employees and five laboratories throughout California, Brian provided technical oversight for a diverse team of engineers, geologists, technicians, and scientists providing design and construction QA/QC on projects including major airports, highways, hospitals, schools, and high-rise structures.

1998 – 2003: Testing Engineers – LA, Founder, President and Principal Engineer

The firm provided geotechnical and materials engineering, testing, and inspection services to public and private sector clients. In this role, Brian was retained as expert witness in hundreds of construction defect litigation cases, providing testimony in depositions and at trial.

1992 – 1998: Ninyo & Moore, Staff Engineer through Senior Project Manager

One of the largest geotechnical and environmental consulting firms in Southern California. Brian served as a geotechnical expert on construction defect litigation cases. He also served as Senior Project Manager for engineering analysis, construction testing, and inspection of major private and public sector projects.

Publications:

Geotechnical Services: Understanding Risk and Increasing Quality Below the Foundation

Optimizing Sub-Slab Design and Construction: Water as Both an Asset and Liability