



EDUCATION

- Illinois Institute of Technology
 - Bachelor of Science, Civil Engineering, 1979
- University of Texas, Austin
 - Master of Science, Engineering, 1982

PRACTICE AREAS

- Collapses
- Historic Preservation
- Failure/Damage/Fire Investigations
- Seismic
- Steel Structures
- Research and Testing

REGISTRATIONS

- Civil Engineer in CA
- Professional Engineer in IA, IL, KS, and VA
- Structural Engineer in IL

AWARDS AND HONORS

- American Concrete Institute (ACI), Fellow, elected 2005
- ACI Foundation, Boase Award, 2018
- Association for Preservation Technology International, Anna de Fort-Menares Award, 2014 and Martin E. Weaver Award, 2014

CONTACT

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EXPERIENCE

Conrad Paulson joined WJE in 1982 and has conducted a wide variety of engineering projects. His projects include structural failure investigation, post-earthquake reconnaissance, seismic structural evaluation, investigation and repair of distressed structures, field load testing of structures, and structural laboratory testing. Mr. Paulson is nationally recognized in the fields of historical structural metals and steel bar reinforcement.

Mr. Paulson is a voting member of American Institute of Steel Construction (AISC) Committee on Specifications, chair of Specification Task Committee TC 7 - Evaluation and Repair (including seismic evaluation and retrofit) which maintains AISC 342 *Seismic Provisions for Existing Structural Steel Buildings*, and a voting member of TC 8 - Design for Fire Conditions. He is a voting member of American Concrete Institute Committee 318-B - Reinforcement and Development and of Committee 318-1R - Resolution of Anchorage and Development; and an associate member of ASCE/SEI 41 - Seismic Rehabilitation. He has published articles and lectured on earthquake engineering, historical structural systems, and mechanical reinforcing bar splices.

REPRESENTATIVE PROJECTS

Collapses

- The Okonite Company - Santa Maria, CA: Investigation of partial collapse of structural steel roof framing system
- Los Angeles County Metropolitan Transportation Authority (Metro) - CA: Construction formwork collapse investigation
- City of Chicago, Law Department - IL: Fatal partial structural collapse of multistory masonry building under construction

Historic Preservation

- Heceta Head Lighthouse - Florence, OR: Review and assessment of prior repairs to structural cast iron
- The Marquette Building - Chicago, IL: Structural investigation and design for vertical expansion
- The Rookery - Chicago, IL: Structural investigation of historical structural framing and foundation systems

Failure/Damage/Fire Investigations

- 442 West Ocean Boulevard - Long Beach, CA: Structural investigation of mat foundation slab damaged by severe hydrostatic uplift
- National Institute of Standards and Technology - Gaithersburg, MD: Assessment of structural steel recovered from World Trade Center disaster site
- E.R. Rubin - Philadelphia, PA: Structural investigation of fire damage to thirty-eight-story, steel-framed high-rise building

Seismic

- Hesketh-Henry - Auckland, New Zealand: Litigation support for collapse of Canterbury Television Building during 2011 Christchurch earthquake
- 12142 Ventura Boulevard - Los Angeles, CA: Structural assessment, development of retrofit design, and construction period services for nonductile concrete structure
- Aloha Stadium - Honolulu, HI: Seismic and wind structural safety review of existing stadium and design of structural upgrades

BUILDING CODE TECHNICAL COMMITTEES

- ACI 318-OR - Structural Concrete Building Code, Subcommittee - High Strength Reinforcement
- ACI 318-1R - Structural Concrete Building Code, Resolution of Anchorage and Development Provisions
- ACI 318-B - Structural Concrete Building Code, Subcommittee - Reinforcement and Development
- ACI 369 - Seismic Repair and Rehabilitation
- AISC COS - Committee on Specifications
- AISC TC 7 - Structural Steel Specifications Committee, Task Committee - Evaluation and Repair, chair
- AISC TC 8 - Structural Steel Specifications Committee, Task Committee - Design for Fire Conditions
- ASCE/SEI 41 - Standards Committee - Seismic Rehabilitation