
Peter T. Ricchio, P.E., S.E. | Associate Vice President – Large/Complex Loss

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Professional Summary:

Mr. Ricchio has over 15 years of experience in structural engineering and evaluation, specializing in forensic investigations, cause and origin investigations, condition assessments, structural analyses of existing buildings, rehabilitation and repair design, construction observations, and construction contract administration. He has evaluated residential, commercial, and industrial buildings following major disasters, including Hurricanes Harvey, Irma, Sally, Ida, and Ian, multiple tornadoes, and the 2020 earthquakes in Puerto Rico. He has evaluated hundreds of structures following hail storms, wind storms, floods, vehicle impacts, fires, and lightning strikes.

As the AVP for EFI's Large/Complex Loss group, Mr. Ricchio manages a team of engineers that respond to losses across the United States and coordinates multi-disciplinary investigations, focusing on first-property insurance claims, liability claims, builder's risk claims, construction defects, and subrogation.

Mr. Ricchio has been involved in the investigation of some of the most significant structural collapses in recent years, including the Champlain Towers South condominiums in Surfside, Florida, the Indiana State Fair stage collapse, and the Tropicana parking garage collapse in Atlantic City, New Jersey. Prior to joining EFI, Mr. Ricchio worked for a consulting engineering firm where he oversaw multi-million dollar repair projects and performed forensic investigations throughout the United States and overseas.

Licenses and Certifications:

- Professional Engineer, Illinois, License #062.061282
- Structural Engineer, Illinois, License #081.006946
- Professional Engineer, Puerto Rico, License #26941
- Professional Engineer, New Jersey, License #24GE05182400
- Professional Engineer, District of Columbia, License #PE908046
- Structural Engineer, Massachusetts, License #51871
- Professional Engineer, Texas, License #128108
- Structural Engineer, Nevada, License #025242
- Professional Engineer, Pennsylvania, License #PE087072
- Professional Engineer, South Carolina, License #36080
- Professional Engineer, North Carolina, License #047628
- Professional Engineer, Florida, License #PE86056
- Professional Engineer, Arkansas, License #18842

Professional Engineer, Ohio, License #84643

Professional Engineer, Wisconsin, License #47318-6

Professional Engineer, Iowa, License #P25545

Professional Engineer, Minnesota, License #57555

Professional Engineer, Georgia, License #PE046256

Structural Engineer, Georgia, License #SE000653

Professional Engineer, New York, License #103497

Professional Engineer, South Dakota, License #15346

Structural Engineer, Nebraska, License #E-18860

Professional Engineer, Washington, License #21024836

Professional Engineer, North Dakota, License #PE-29199

Professional Engineer, Louisiana, License #PE.0046002

Professional Engineer, Missouri, License #2022008538

Professional Engineer, Indiana, License #PE12200210

Professional Engineer, Michigan, License #6201311222

Professional Engineer, Colorado, License #PE.0063220

Structural Engineer, Hawaii, License #20544

Professional Engineer (Civil), California, License #C95818

Professional Engineer, Maryland, License #62151

National Council of Examiners for Engineering and Surveying Record Holder

Project Experience:

Forensic and Failure Investigations

- Salesforce Tower – San Francisco, California
Performed a forensic investigation on behalf of multiple stakeholders of deep foundation elements that contained anomalies, preventing construction of the building superstructure. Coordinated and supervised the field evaluation, including documentation of existing conditions using field notes and photographs, material sampling, and non-destructive testing of in-situ materials. Provided documentation of existing conditions to all stakeholders and assisted the design team in determining the suitability of in place construction to support the building.
- Megatall Building – Kuala Lumpur, Malaysia

Performed a forensic investigation of a partially constructed 4 meter thick reinforced concrete raft slab after construction was suspended mid-placement. Work performed included supervising the field investigation team, coordinating the removal of concrete cores samples, documenting core samples and core holes, and data reduction. Findings were presented to the design team to assist with the development of a repair plan.

- Hurricane Harvey Damage Assessment – Southeast, Texas
Performed damage assessments to numerous residential structures, assessed causation, and developed conceptual repair recommendations.
- Tornado Damage Assessment – Dayton, Ohio
Performed damage assessments to numerous residential structures, assessed causation, and developed conceptual repair recommendations.
- Partial Building Collapse – Chicago, Illinois
Investigated the failure during construction of a precast concrete hollow core floor slab at a multi-story residential building.
- Partial Building Collapse – Southern Indiana
Investigated the partial roof collapse during construction of a retail store following a severe rain event.

Construction Observations and Quality Assurance

- NASA Deep Space Communications Complex – Madrid, Spain
Performed on-site construction observations and provided engineering support for the repairs to concrete antenna pedestals. Assisted with the interpretation of drawings and specifications for all stakeholders, verified that repairs were performed in accordance with construction documents, and coordinated the use of proprietary repair materials with the contractor and manufacturer.
- United States Department of Defense Construction Projects – Southeast Asia
Performed on-site construction observations of multiple projects on behalf of the Owner to verify construction was in compliance with approved plans and specifications.
- High Risk Construction Oversight Program – New York City, New York
Performed construction quality and safety inspections of numerous concrete construction projects throughout New York City.

Structural Evaluation and Repair Design

- Hotel Parking Structure – Chicago, Illinois

Supervised and participated in the structural evaluation of a 1920's era multi-story reinforced concrete parking garage over occupied retail space and prepared a report of findings with budgetary cost estimates for repairs. Designed repairs to address floor slab, beam, column, wall, and ramp deterioration. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.

- Retail Parking Structure – Little Rock, Arkansas
Project manager responsible for a \$5M repair project of a multi-story precast concrete parking structure. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.
- Retail Parking Structure – Western Pennsylvania
Project manager responsible for a \$4M repair project of a multi-story precast concrete parking structure. Supervised and participated in the structural evaluation of a multi-story precast concrete parking structure and prepared a report of findings with budgetary cost estimates for repairs. Prepared repair drawings and specifications. Participated in pre-construction services, including Owner meetings, project kickoff meetings, and contractor submittal reviews. Held regular meeting with project stakeholders. Performed construction observations to verify compliance with contract documents. Reviewed contractor change orders and pay applications.

Court Qualifications/ Depositions:

Litigation CV available upon request

Professional Experience:

EFI Global: Associate Vice President, May 2022 - Present
Senior Principal Engineer, Mar. 2022 – May 2022
Principal Engineer, Jan. 2021 – Feb. 2022
Senior Forensic Engineer, Sept. 2019 – Dec. 2020

CTLGroup: Senior Engineer, Jan. 2016 – Aug. 2019
Engineer III, Jan. 2009 – Dec. 2015
Engineer II, July 2007 – Dec. 2008
Engineer I, Jan. 2006 – Jun. 2007

Education:

Master of Science in Civil Engineering, Purdue University, West Lafayette, IN, 2005



Bachelor of Science in Civil Engineering, Purdue University, West Lafayette, IN, 2004

Affiliations:

American Concrete Institute (ACI) - Member

American Society of Civil Engineers (ASCE) – Member

Awards:

National Aeronautics and Space Administration (NASA), Group Achievement Award to the DSN Aperture Enhancement Antenna Structural Team, August 2019