

BRIAN T. LAMMERT, S.E., P.E.

Senior Project Engineer



+CONTACT

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Brian Lammert has over 12 years of structural engineering experience specializing in field investigation of distressed structures, laboratory and field testing, structural analysis, collapse investigation, and repair design and implementation.

His investigations have consisted of detailed condition surveys and documentation involving the evaluation of facade systems, and steel, concrete, masonry, wood, and stone materials. He has conducted structural peer reviews of major new construction projects located domestically and internationally.

With his extensive testing knowledge and expertise, he has planned, designed, and executed complex and experimental structural performance and field tests using an automated data acquisition system with devices to measure displacement, load, temperature, and humidity.

Mr. Lammert's structural analysis experience includes computer modeling of existing structures and structural components, calculation review, and design using a variety of materials.

Prior to joining RRJ, he interned to gain structural engineering design experience with a variety of structural systems and building types. While working on his Master's degree, he served as a Matrix Structural Analysis Teaching Assistant at the University of Illinois at Urbana-Champaign.

■ EDUCATION

Master of Science in Civil Engineering, 2004
 University of Illinois at Urbana-Champaign

Bachelor of Science in Civil Engineering, 2003
 With Highest Honors; Specialization in Structures
 Minors in Technology & Management, and
 International Studies in Engineering
 University of Illinois at Urbana-Champaign

■ REGISTRATIONS

Licensed Structural Engineer in Illinois

Licensed Professional Engineer in Illinois

Construction Documents Technologist (CDT)
 The Construction Specifications Institute (CSI)

■ PROFESSIONAL AFFILIATIONS

American Institute of Steel Construction (AISC)

Structural Engineers Association of Illinois (SEAOI)



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■ PUBLICATIONS | PRESENTATIONS

- "A Perfect Storm: The Indiana State Fair Stage Canopy Collapse," Society of Illinois Construction Attorneys, Lunch-n-Learn Seminar, K.R. Hoigard and B.T. Lammert, Chicago, IL, June 21, 2016
- "Tall Curtain Wall Systems and Large Seismic Drift," North American Steel Construction Conference-The Steel Conference, R.W. Kritzler and B.T. Lammert, Orlando, FL, April 13-15, 2016
- "When 1 Test is Worth More Than 10 Expert Opinions," Construction SuperConference, O.C. Guedelhofer and B.T. Lammert, San Diego, CA, December 2015
- "Using an Alternative Method of Analysis to Evaluate Punching Shear Capacity in Existing Pre-Tensioned Shear Reinforced Concrete Floor Slabs," Proceedings of the 2015 Structures Congress, Portland, OR, R.W. Kritzler, B.T. Lammert, W.J. Macicak, and O.C. Guedelhofer, April 24, 2015
- "Designing Plaza Hardscapes," *The Construction Specifier*, B.T. Lammert and K.R. Hoigard, April 2014
- "Plaza Construction - What Lies Beneath," *RRJ Insight* Issue No. 29, B.T. Lammert and K.R. Hoigard, June 2012
- "Material Strength Considerations in Dimension Stone Anchorage Design," Dimension Stone Use in Building Construction, ASTM STP 1499, K.R. Hoigard and M.J. Scheffler, Eds., ASTM International, West Conshohocken, PA, and *Journal of ASTM International*, Vol. 4, No. 6, Paper ID JA1101102, B.T. Lammert and K.R. Hoigard, October 2007