

COLE W. GRAVEEN, S.E., P.E.

Senior Engineer



+CONTACT

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Cole Graveen has 17 years of structural engineering experience in structural analysis, field investigation, nondestructive evaluations, condition surveys, and repair design of cast-in-place and precast concrete, steel, and timber structures.

An expert in structural analysis, Mr. Graveen utilizes the latest computer software technology to perform finite element modeling and other analyses to evaluate structural capacity and serviceability for new design, repair design, and as-built condition assessments. His analyses have been applied to the design of repairs for building frames, components, and connections for concrete, steel, and timber construction.

He has extensive knowledge in building code interpretation, compliance, development, and building plan review. As a member of the International Building Code, Structural Code Committee, he has reviewed and made recommendations related to proposed changes to the structural provisions of the International Codes.

Prior to RRJ, he served on the technical staff of BOCA International, Inc., performing evaluations of building products and systems for compliance with BOCA National Codes, and providing building code interpretations for design professionals and code officials.

Previously, while a graduate research and teaching assistant at Purdue University, his studies focused on concrete material behavior and design, and general structural analysis.

■ EDUCATION

Master of Science in Civil Engineering, 2001
 Purdue University

Bachelor of Science in Civil Engineering, 1997
 Marquette University

■ REGISTRATIONS

Licensed Professional Engineer in Illinois

Licensed Structural Engineer in Illinois and Nevada

■ PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)
 ASCE 7 Minimum Design Loads and Associated
 Criteria for Buildings and Other Structures Standard
 7-22 Main Committee
 7-22 Dead and Live Loads Subcommittee
 (Vice Chairman)

International Code Council (ICC)
 International Building Code-Structural Code
 Committee for 5 Code Update Cycles, 2006-2017
 International Residential Code-Building Code
 Committee for 2018-2019 ICC Code Cycle

American Institute of Steel Construction (AISC)

American Concrete Institute (ACI)

■ PUBLICATIONS | PRESENTATIONS

"Structural Insulated Panels - Repair Considerations,"
 RRJ *Insight* Issue No. 30, August 2013

"Implementation of Performance-Related Specifications
 in Indiana," Midwest Concrete Consortium
 Conference, Indianapolis, IN, 2000