

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

Senior Engineer



### +CONTACT

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Cole Graveen is a licensed Professional and Structural Engineer with 16 years of engineering experience in structural analysis, field investigation, nondestructive evaluations, condition surveys, and repair design of cast-in-place and precast concrete, masonry, 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 reviews and makes recommendations related to proposed changes to the structural provisions of the International Codes. Prior to joining 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, Nevada

Registered Safety Assessment Program Evaluator,  
 Disaster Service Worker, California Emergency  
 Management Agency

### ■ PROFESSIONAL AFFILIATIONS

American Society of Civil Engineers (ASCE)  
 Member, ASCE 7-16 Subcommittee on Dead and  
 Live Loads, 2012-present

International Code Council (ICC)  
 Member, International Building Code - Structural  
 Code Committee, 2006-present

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