



Failures During Construction

RESPONSE + PREVENTION

EVENT OVERVIEW

Construction is an inherently high risk industry; jobsites are hazardous to personnel, and structures are most vulnerable when they are in the process of being built, renovated, or demolished. When construction failures and accidents occur, the consequences are often severe, including worker casualties and costly project delays. Determining why a failure occurred is critical so it can be avoided in the future. Timely response to an incident is also critical, as rapidly changing site conditions can obscure key evidence.

This presentation will discuss:

- The role of the forensic engineer in the response to construction failures – from the immediate response to the final determination of root cause.
- The importance of documentation, evidence collection, and application of the scientific method.
- Case studies on lessons learned from construction failures to help design professionals, contractors, and owners reduce the probability of failures in the future.

ABOUT THE SPEAKER



Dennis M. McCann, Ph.D., P.E. is Vice President and Chief Operating Officer of CTLGroup. He earned his Master of Science and Doctor of Philosophy degrees in structural engineering from The Johns Hopkins University and his Bachelor of Science in Civil Engineering, with a structural concentration, from the University of Notre Dame.

Dr. McCann focuses his professional practice on forensic engineering, risk assessment, and performance evaluation of structures and infrastructure. His work includes the investigation of catastrophic collapses, design errors and omissions claims, and damage from extreme loading events, such as hurricanes, earthquakes, and explosions. Dr. McCann has investigated numerous failures during construction, including the Marcy Pedestrian Bridge collapse, the failure of a form traveler used to construct the La Plata River Bridge in Puerto Rico, and the partial collapse of the parking structure at a prominent university.

WHEN October 3, 2019
 5:00–5:30 pm Drinks & Appetizers
 5:30–6:30 pm Presentation
 6:30–7:30 pm Networking

WHERE District Architecture
 Center/Washington DC
 421 7th Street NW
 Washington, DC 20004

RSVP To RSVP, simply send an email to RSVP@ctlgroup.com. Please indicate the number of people attending. Thank you.