



Structural Inspection and Repair Resources

CRE Insight Journal is pleased to provide a series of complimentary video resources for property managers, facility managers, and building engineers to increase understanding of building structural inspection and repair. Simply click on the hyperlinked titles below to access these on-demand resources.

[Understanding Steel Reinforced Concrete and Repair Methods](#)

Evan Moore, PE, SE, with Engineered Restorations, Inc., explores the importance and versatility of reinforced concrete.

[Defining Structures](#)

Scott Weiland, PE, SE, with Innovative Engineering Inc. breaks down the most common terms and acronyms property professionals need to know about building structures.

[Building Structural Consideration for Older Buildings](#)

Mark Lester, PE, and Mike Merrick, PE, SE, with PENTA Engineering Group, LLC., discuss the issues found in repairing older buildings.

[Inspection Challenges](#)

Brian Rivers, PE, with PM&A, speaks on the common obstacles faced by structural engineers in inspections, and how these challenges are overcome.

[Repairing Older Structures](#)

Mike Merrick, PE, SE, and Mark Lester, PE, of PENTA Engineering Group, LLC., explores the constraints in repairing older structures.

[Seismic and Other Considerations in Repairing Older Structures](#)

Mike Merrick, PE, SE, and Mark Lester, PE, explain the consideration in strengthening and repairing older façades and structures.

[Structural Inspection: When to Engage a Structural Engineer](#)

Brian Rivers, PE, details some of the damage requiring an inspection from a structural engineer and contractor, as well as when to inspect buildings and parking structures.

[Cracking Concrete: A Visual Review](#)

Evan Moore, PE, SE, describes the many ways concrete can crack, when to engage building engineer and contractor for inspection, and how cracks are repaired.

[Using Leaks to Identify Structural Issues](#)

Scott Weiland, PE, SE, explains how leaks can aid in the identification of issues, and what to do when they are found.

[Resources for Structural Inspection and Repair](#)

Evan Moore, PE, SE, describes four resources for building owners and managers on structural inspection and repair.

[Structural Inspection and Repair Terms](#)

Understanding what is being said when a building is inspected and repaired will help as you navigate the incredibly important task of maintaining a building. Here are a few terms you may run into.

A deeper dive on these subjects is presented in a two-part webinar series. The first webinar focuses on the tools and tips for inspection, and the second webinar focuses on the repair process. Both webinars may be viewed on-demand through a CRE Insight 365 membership.