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SEI ILLINOIS CHAPTER
FEBRUARY DINNER MEETING

Evaluation and Life Extension Recommendations for
Pre-Stressed, Post-Tensioned, Reinforced Concrete and Steel Structures

David Keaffaber, P.E.
Business Development Director
Siva Corrosion Services (SCS), Inc.

Abstract:

Corrosion of pre-stressed/post-tensioned structures is an issue of increasing concern for Owners throughout the world. Corrosion related problems have been found to occur in less time than expected. If strands/tendons are not properly protected, corrosion and subsequent wire/strand failures increase stress on remaining strands/tendons. Internal degradation is not as readily visible in pre-stressed/post-tensioned structures when compared to reinforced concrete structures. If corrosion is allowed to continue, sudden failure and emergency repairs can result as corrosion rate increases over time.

Steel structures also deteriorate and crack over time. NDT inspection tools locate surface breaking defects in metals, including leaks, casting/forging defects and fatigue cracks. The identification of defective coatings and control of coating quality can help mitigate future corrosion damage.

Speaker: David Keaffaber, P.E.
Business Development Director
SCS, Inc.

Date & Time: Wednesday, February 15, 2012
Cocktails at 5:30 pm; Dinner at 6:00 pm
Presentation following dinner

Location: [Pazzo's](#)
311 South Wacker Drive
Chicago, IL 60606
Self-service parking is available south of the building for \$10

Cost: \$45 – with reservation
\$30 – government/education (with reservation)
\$20 – fulltime students (with reservation)
\$50 – without/late RSVP
Make checks payable to ASCE Structural Group

PDH: 1.0 PDH will be awarded for continuing education

RSVP: Brett Sauter, asce.il.struct@gmail.com by Friday, February 10, 2012