

Director's Notes

On your marks, get set, go!

It's hard to believe that it has been 90 days already in this new role! I believe that the transition has been a smooth and rapid one and that we have truly been able to hit the ground running. Good thing, I like running! Let's keep up the pace, continuing with the efforts that were put in place over the last several years and tackling new challenges as they arise.



CRRB Seminars make their way to Oklahoma

As a follow-up to last month's report of the CRRB seminar in Oklahoma, EIG was recently provided some photos from the event. Here are Sandra and Danielle presenting and Brice and Marcelo in the front row!



American Concrete Institute (ACI) Spring Convention

EIG attended the ACI Spring Convention in Milwaukee, WI from April 17 to April 20. Dr. Danielle Kleinhans attended numerous technical committees to address issues related to epoxy-coated reinforcement. In addition to the technical committees that she attended (see the Engineering section update on the ACI Convention) she was able to provide the Technical Advisory Committee (TAC) with a definition for 'epoxy-coated bar' for consideration in their terminology guide.

ACI Committee 439, Steel Reinforcement- The Committee's comprehensive report on welded wire reinforcement has been submitted to ACI's TAC for review. The ballot of updating the ITG-6 report presented the report in 4 parts: Main text, Appendices A, B, and C. The Main text and Appendix A did not pass, due to insufficient returns, and Appendices B and C did pass. A re-ballot will be issued as soon as possible.

ACI 222, Corrosion of Metal in Concrete- The committee balloted the final "body" chapter of the document "Protection of Metals in Concrete Against Corrosion" ACI 222R. They hope to finalize the "front end" chapters and submit the document to TAC this year.

ACI 343, Concrete Bridge Design - Chaired by EIG's Dr. Danielle Kleinhans, the committee is making good progress toward submitting revisions to their main document "Analysis and Design of Reinforced Concrete Bridge Structures" to TAC for review at in the Fall.

ACI 440, Fiber-Reinforced Polymer Reinforcement - The committee continues toward their aggressive goal of completing "Building Code Requirements for Structural Concrete Reinforced Internally with Fiber Reinforced Polymer (FRP) Bars" for submittal to TAC by Spring 2018. The group appears to have the size and energy to complete the effort.

Technical Advisory Committee (TAC) Concrete Terminology Committee – EIG was able to provide guidance to TAC on the definition of epoxy. Specifically, the definition of "epoxy-coated bar – a reinforcing bar coated with a fusion-bonded epoxy coating. (see also fusion-bonded epoxy coating)" was provided with the text from ASTM A775 and A934 with the definition above for fusion-bonded epoxy coating. These definitions (and others) will be balloted by TAC and then go out to public comment.

Structural Engineers Association of Illinois (SEAOI) Midwest Bridge Symposium

EIG attended and sponsored the 13th Annual SEAOI Midwest Bridge Symposium held in Chicago, IL on April 28. With record attendance of approximately 180 engineers, the day-long symposium educated engineers

on many aspects of bridge design including service life by focusing on project examples. Dr. Danielle Kleinhans is a member of the organizing committee and emceed the afternoon portion of the event as well.

ASTM gallops into San Antonio

EIG attended the ASTM A01 May 2016 Committee Meetings between May 2 and 5 in San Antonio, TX. At the meetings, it was announced that EIG will once again fill the role of secretary to the A01.05.04 Coated Reinforcement Section under the leadership of Harris Rebar's Pete Fosnough. Items discussed at the meeting included: coating gel times, coating and patch compatibility, and removal of the cathodic disbondment test requirements for production. ASTM members should stay tuned for ballots related to these issues. Please contact EIG if you would like additional details about these items.

Axalta Plant Tour

EIG's Dr. Danielle Kleinhans and CRSI's Tony Johnson took advantage of the ASTM meeting's TX location and enjoyed a tour of Axalta's Houston manufacturing plant. We learned all about the epoxy powder manufacturing process. Much thanks to Axalta's Rob Phillippi who made it all possible and all that provided the tour!



Pennsylvania DOT (PennDOT) request for additional testing information on powder coatings

Coating plants and powder manufacturers supplying products to PennDOT should be aware of a recent request:

"We will be requiring powder manufacturers to submit ASTM A775 test data for each powder variation they wish to certify to PennDOT. Letters will be mailed to each approved powder manufacturer in the near future.

Similarly, coaters will be contacted to update their QC plans to indicate that each powder will be applied in accordance with the manufacturers recommendations as we are seeing differing application temperatures and some post application heat treatments required for some products."

Please contact EIG if you would like to discuss these requests as you receive them. Rest assured that EIG is working on efforts to appease their wishes that provides the information and technical data that you all already have in place.

Federal Highway Administration (FHWA) document outlining Reinforcing Steel Practice and Specifications Over Time in the US

In her previous role with CRSI, Dr. Danielle Kleinhans co-authored a document with FHWA's Sue Lane that outlines the changes in reinforcing steel practice and specifications from 1910 through 2015. Dr. David McDonald (in his previous role with EIG) contributed significant information on the improvements to quality initiated by industry within the epoxy-coated reinforcement specifications. The document should be available shortly on FHWA's website. If you would like an advance PDF copy, please let EIG know.

Quote

A run begins the moment you forget you are running.
Adidas

Upcoming Events

| Date | Event |
|------------|---|
| May 9 – 11 | NTPEP, Grand Rapids, MI |
| June 7-10 | International Bridge Conference, National Harbor, DC |
| June 26-30 | AASHTO Bridge, Minneapolis, MN |
| July 6-8 | CRSI Staff Meetings, Schaumburg |
| July 25-29 | Professor's Workshop at PCA and NCBC Meetings, Skokie, IL |