

Director's Notes

During August, EIG has been working on a book chapter on epoxy-coated reinforcing steel. This chapter will be published in the book "Corrosion of Steel in Concrete Structures," published by Woodhead Publishing and edited by Professor Amir Poursaei from Clemson University. Professor Poursaei has done considerable work with Professor Caroline Hansson at the University of Waterloo. Professor Hansson is a proponent of stainless steel reinforcing and is preparing that chapter.



Other authors of the book are well recognized and include:

- Galvanized - Stephen Yeomans, University of New South Wales, Australia
- Effect of Cracks - Jason Weiss, Purdue University, USA
- Repair and rehabilitation - Tracy Marcotte, CVM Engineering
- Latest developments - Burkan Isgor, Oregon State University, USA
- Future trends - Carmen Andrade, National Research Council of Spain

The chapter on epoxy-coated bars outlines the history of evaluation and performance. It shows that when poorly coated bars are used, the performance may be poor. During the review, I found studies on the performance of non-typical products, including a blue epoxy used in the 1980s. Other examples of poor performance related to coating thicknesses of less than 5 mil.

Please let EIG know if you would like me to send you a copy of the 30-page chapter.

Save the Date

The EIG Fall Business meeting will be held on Sunday, November 2 at 3:30 pm at the Swissotel, Chicago. The meeting will include updates on activities in 2014, planned activities in 2015 and budgets. The meeting provides a forum for members to provide input into the activities of EIG.

Transportation Funding

In August, a temporary transportation funding bill was signed by the President. This \$10.9 billion bill will keep the Highway Trust Fund solvent through May 2015. Longer-term funding is still to be determined. Please make sure you make transportation funding a priority as the federal budget provides large portions of the transportation funding in each state.

Certification

CRSI has renewed its contract with WJE to continue the epoxy plant certification programs. This should minimize any need for plant training. Instructions on quality control manuals will be sent to the plants shortly. Please let EIG know if you have any questions.



EIG has also sent to members a document comparing the current Version 12 document and the new ANSI Standard requirements for Plant Certification. This document outlines sections relating to particular measurements and the measurement criteria. Many thanks are extended to Pete Fosnough from Harris Rebar for his input.

Georgia DOT

EIG recently visited



Charles Hasty, the Materials Engineer of the Georgia Department of Transportation. Attending the meeting was Rick Douds, Assistant and Research Engineer, Brad Young, Physical and Chemical Testing Branch Chief and Breenen Roney, New Products Evaluation Engineer. It appears that Georgia has no interest in other corrosion-resistant reinforcing steels at this time.

During the one-hour meeting, the issue of NTPEP certification was raised, along with questions regarding the current CRSI certification programs. EIG discussed the corrosion problems in Florida relating to poor concrete and coating materials and how the most recent research points to this being isolated within that agency. EIG also discussed work from Michigan, where statistical analyses were being used to determine design lives.

World of Concrete 2015

In 2014, it was determined that as competitors to epoxy-coated reinforcing are exhibiting at the World of Concrete, it would be advantageous for EIG to have a booth in 2015. In 2015, EIG will have a booth at this show, opposite the CRSI booth. Please let EIG know if you would like to help with the exhibit.



Competitor News

At the AASHTO Materials meeting held in Minneapolis in July, two organizations were promoting corrosion-resistant reinforcing bars. The first was an initiative organized by the Zinc Association for a continuous galvanized product. They are also developing an ASTM specification for the product, which will be balloted in September 2014.

The second was a product from Composite Rebar Technologies (<http://longlifedowels.com/>). This company already manufactures fiberglass-sheathed dowels for paving but were showing DOT attendees a reinforcing bar product. EIG was unable to closely view this product, but it appears that it was formed in a similar manner to their dowel products.

EIG Budget 2015

Discussions have begun with the EIG Steering Committee on the 2015 budget. Tonnage to the market in 2013 was lower than that of 2012. EIG has also sent a survey to EIG member companies to determine if this is a short- or a longer-term reduction.

Long Term Bridge Program

The Long Term Bridge Program (LTBP) is a 20-year study on the performance of bridges. As part of the study, the FHWA is preparing protocols for measurement and evaluation of these structures. Evaluation of the performance of bridge decks containing epoxy-coated reinforcing steel is part of the evaluation program.

EIG has reviewed many of these documents to ensure that they will provide accurate information and that the information will be presented in a non-biased manner.

Website

Two project profiles were added to the website this month: Dresbach Bridge in Minnesota and the Yanbu Power and Desalination Plant in Saudi Arabia.

Quote

Progress begins with the belief that what is necessary is possible.

-- Norman Cousins

Date	Event
September 5 – 9	PCI Bridge Convention, Washington DC
September 9 – 11	National Concrete Consortium, Omaha, NE
October 26 – 29	ACI, Washington DC
October 27 – 29	ASBI, Hartford, CT
November 2 – 6	CRSI, Chicago, IL
November 10 – 13	ASTM, New Orleans, LA
December 4 – 5	Accelerated Bridge Conference, Miami, FL

