

EIG Business Meeting  
November 4, 2013  
8:00 – 10:00 am

Attendees

Andy Stevenson – Akzo	Lucky Mathis – Akzo
Bill Maniaci – Simcote	Marcelo Acuna – ABC Coating Co. OK
Brice Wager – Gerdau	Marcelo G Acuna – ABC Coating Co.- OK
Caba Cer – Akzo	Mark Shufflebottom – 3M
Carrie Sayers – ABC Coating Co. MI	Marshall Bonds – CMC
Chris Lopez – Axalta	Mike Barrett – Gerdau
Craig Dietz – Axalta	Natalie Caratelli – Valspar
Dave Rosene – Gerdau	Pete Fosnough- Harris
Dave Severson - Valspar	Robert Phillippi – Axalta
Dave Wasz – BL Downey Company	Sam Attaguile – 3M
David McDonald – EIG (Managing Director)	Sam Mushaw - Dimension
Elliot Davis – Akzo	Sandra Goebel – Valspar
Eugene Geisz – Valspar	Stephen Larson – Akzo
Eugene McManus – Harris	Steve Drew – Titusville Fabrication
Fred Rocha – ABC Coating Co, MN	Steve Hall – 3M
Fritz Herrmann – Western Coating	Steve Tritsch - JC Supply
Geno Ferretto – 3M	Steve Witts – Teme
Jack Vanier – Harris	Terry Kwiatek – Teme
Jeff Estep - Western Coating	Todd Strohm – Lane Enterprises
Jeff Wilkins – 3M	Tom Cressman – Valspar
Jim Riemenschneider – ECR Consulting/Simcote	Tom Greenfield - ABC Coating Co. IL
JP Simmet – Simcote (Chair)	Tony Del Perico – Valspar
Kurt Kirby – Valspar	Tony Eilts – Harris
Kuru Varughese – Axalta Coating/Consultant	Wes Colling – Harris

1. Anti-Trust
  - a. The anti-trust statement was presented to all attendees
2. Welcome
  - a. Attendees were welcomed by the Chair
3. Introductions
  - a. Attendees introduced themselves
4. Approval of Agenda
  - a. The agenda was approved as presented (Fosnough/Barrett/unanimous )

5. Approval of Spring 2013 Minutes
  - a. An amendment to the minutes was made to add Kuru Varughese as being present at the Spring meeting in Tempe.
  - b. The amended minutes were presented and passed (Fosnough, JP Simmet, unanimous )
  
6. Election
  - a. The Secretary (Fosnough) presented information on the status of the steering committee due to the retirement of Jim Riemenschneider from 3M.
    - i. It was motioned that no replacement be made and that the committee size be reduced to 7 (Fosnough, Bonds)
    - ii. An amendment was made to the motion by Wager and Riemenschneider that this be tabled until the spring meeting in 2014.
    - iii. This amendment passed and became the motion. The motion passed unanimously.
    - iv. It was noted that 3M would like to replace Riemenschneider with a member from 3M.
  
7. Managing Directors report (DBM)
  - a. The Managing director presented the budget for 2014 with no changes to the dues structure as shown below.
  - b. A motion to approve the budget was presented by Fosnough and Barrett
    - i. Vote count 15 for, 0 against, 0 abstain
  - c. Discussions included reports on:
    - i. State visits
    - ii. Research from Florida DOT on epoxy-coated bars
    - iii. SK Lee research; to be completed within approximately 3 months
    - iv. Purdue Research: thesis to be completed in December, report in 3 months
  
8. Old Business
  - a. Plant Certification
    - i. No issues regarding plant certification were discussed.
  - b. Fabricator Certification
    - i. Fabrication certification marketing was discussed
    - ii. General consensus was that marketing should be conducted by CRSI, not EIG
  - c. Technical – ASTM
    - i. ASTM will meet on November 12<sup>th</sup>.
    - ii. No technical issues were presented.
  
9. New business
  - a. A motion was made to request formation of stainless and galvanized certification programs at the IMCC meeting (Fosnough, Marcelo Acuna, unanimous ).
  - b. Dowel Bars
    - i. A presentation was made by Trisch regarding development of additional types and grades of dowel bar coatings (attached).
    - ii. Modifications to the AASHTO M254/T253 standards would be presented to EIG members prior to presentation to AASHTO.
  
10. Adjourn - A motion to adjourn was presented at 9:32 am (Fosnough).

APPROVED BUDGET

	Budget 2014
INCOME	\$336K
Staff	\$209K
Epoxy Literature	\$44K
Shows	\$14K
Web	\$8K
Sundries, Travel, Supplies	\$49K
Research	\$12K
EXPENSES	\$336K

# EIG Meeting Chicago IL

November 2013



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## 2014 Membership

- ABC Coatings Co.
- Ambassador/Barker/Harris/Nucor
- BL Downey
- CMC
- Commercial Resins
- Dimension Fabricators
- Gerdau Ameristeel
- JC Supply
- Lane
- Simcote
- Sioux City Foundry
- Steel Specialties of Mississippi
- Teme Inc.
- Titusville Fabricators Inc.
- Western Coating Inc.
- 3M
- Valspar
- ~~DuPont~~ Axalta Coating Systems
- Akzo Nobel

**19 Current Members**

Quorum = 50%

This meeting is only for  
member companies  
No visitors

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## 1. Notice of Anti Trust

- Please note the CRSI Document

– **COMPLIANCE WITH ANTITRUST LAWS**

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## Agenda

1. Anti-Trust Statement
2. Welcome
3. Introductions
4. Approval of Agenda
5. Approval of Fall 2012 Minutes
6. Elections
7. Managing Directors Report
8. Old business
8. Plant Certification
9. Fabricator Certification
10. ASTM
9. New business
10. Adjourn

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## 2. Welcome

- Welcome from Chair
  - JP

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## 3. Introductions

- Please introduce yourself
  - Name
  - Company
  - Location

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## 4. Approval of Agenda

- Modifications?
- Motion to Approve Agenda
  - 2<sup>nd</sup>?
  - Vote

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## 5. Approval of Spring 2013 Minutes

- Any corrections to Spring 2013 Minutes
- Motion to Approve Spring 2013 Minutes
  - 2<sup>nd</sup>?
  - Vote

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## 6. Elections for Steering Committee

- Slate of Candidates (Fosnough)

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## 7. MANAGING DIRECTORS REPORT

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## Budget vs Actual 2013

	Budget 2013	Est. 2013	Variance
<b>INCOME</b>	<b>\$327</b>	<b>\$327</b>	
Staff	\$194K	\$202K	+\$8
Epoxy Literature	\$40K	\$44K	+\$4
Shows	\$14K	\$13.5K	-\$0.5
Web	\$8K	\$5.5K	-\$2.5
Sundries, Travel, Supplies	\$55K	\$51K	-\$4
Research	\$5K	\$8.5K	+\$3.5
<b>EXPENSES</b>	<b>\$316K</b>	<b>\$318</b>	<b>+\$2</b>
<b>Net</b>	<b>+\$11K</b>	<b>+\$9K</b>	

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## Major Activities 2013

- Attend
  - WOC (EIG Planning)
  - CRSI Tempe/Spring/Fall
  - NACE
  - Illinois Tollway Conference
- Booths
  - PA Concrete Conference
  - Western Bridge
  - PCI
  - ASBI
- Technical meetings
  - ASTM – A1 (x2)
  - ASTM – D34 (x1)
  - ACI (x2)
  - AASHTO Bridge
- Presentations
  - National Concrete Consortium
  - FHWA CRRB (MO, NB, IL, NY)
  - Air and Highway Pavements
  - NY Bridge Conference
- Agency Discussions
  - NVDOT
  - Caltrans
  - IDOT
  - MassDOT
  - PennDOT
  - Cal High Speed Rail
  - FDOT

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## Publications 2013

- Technical Report
  - Epoxy vs. Galvanized
  - Use and Inspection reprint
- Advertorials
  - Aspire (4x)
  - ASBI
  - TRB
- Google web
- Project profiles
- EIG member newsletter
  - Monthly (12)
- Anti-Corrosion Times (3)
  - March, June, October
- 40<sup>th</sup> Anniversary Awards
  - Folders
  - Plaques
- CRSI Staff Training
  - Corrosion 101

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## Survey: what should we do more of?

- 100 year project
  - Every DOT is now setting that time frame as a goal and we need to respond with a answer other then epoxy looks really good up to 50-75 years.
- Marketing to the engineers
- Getting better connected
- Meeting with Architects and design engineers in the commercial building industry
- Training and seminars (either online or in person) with DOT's, professional engineers, architects and contractors.
  - Educate DOTs regarding the cost difference between epoxy and stainless.
  - Face to face meetings with the DOTs

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## Survey: what should we do less of?

- Trade shows and marketing outside of the DOT market
  - Trade shows they may not be as good a value as personal meetings with DOT and commercial building engineers
  - Decide if money spent on trade shows is a good use of financial and time resources.

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## Selected Activities 2014

- Attend
  - WOC (EIG Planning)
  - CRSI Tempe/Spring/Fall
  - NACE
- Booths
  - PA Concrete Conference?
  - PCI Bridge
- Technical meetings
  - ASTM – A1 (x2)
  - ASTM – D34 (x1)
  - ACI (x2)
  - AASHTO Materials
  - TRB Life Cycle Committee
- Presentations
  - FHWA CRRB
- Agency Discussions
  - 10 x
    - PennDOT
    - CALTRANS
    - FDOT
    - TXDOT
- Sponsor
  - Aspire Bridge Magazine
- Support
  - CRSI Fabricator roll out
  - ANSI development

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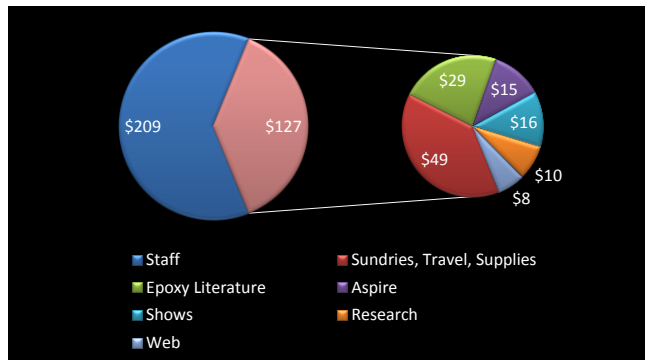
## Proposed Budget 2014

	Est. 2013	Budget 2014	Est. 2013 vs 2014
<b>INCOME</b>	<b>\$327K</b>	<b>\$336K</b>	<b>+\$9K</b>
Staff	\$202K	\$209K	+\$5K
Epoxy Literature	\$44K	\$44K	-
Shows	\$13.5K	\$14K	+\$0.5K
Web	\$5.5K	\$8K	+\$2.5K
Sundries, Travel, Supplies	\$51K	\$51K	-
Research	\$8.5K	\$12K	+\$3.5K
<b>EXPENSES</b>	<b>\$324.5K</b>	<b>\$338K</b>	<b>\$11.5K</b>

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## Budget Allocation



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## Notes

- Membership dues up 2.75%
- Salary/OH proposed increase 3%
- Research proposal:
  - 100 year designs using ECR (\$10K)

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## Motion to Approve Budget?

- Motion
  - 2<sup>nd</sup>
  - Vote

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## Agency Priority

- California
  - CALTRANS relationship building
  - New corrosion engineer
  - CRSI Certification
- Pennsylvania
  - Ongoing discussions
- Florida
  - Now a political rather than technical issue
- Massachusetts
  - Moved well away from SS
- Missouri
  - No plans to change
  - Relationships developed
- Texas
  - Considering CRSI certification and how EIG can help the agency
  - New relationships
- Virginia
  - No forward movement
- NY Transit Authority
  - NY city is confusing, many moving parts
  - Tappan Zee going galvanized
- New York
  - Generally happy with ECR
  - Some bridges with load restrictions
    - Possibly work with LWA producers
- Ohio
  - ??

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## Discussion?

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40 year visits  
Plant Certification  
Fabricator Certification  
ASTM

## **OLD BUSINESS**

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## 40<sup>th</sup> anniversary visits

- Many good discussions with agencies
- Fiscal realities for states
  
- Discussion?

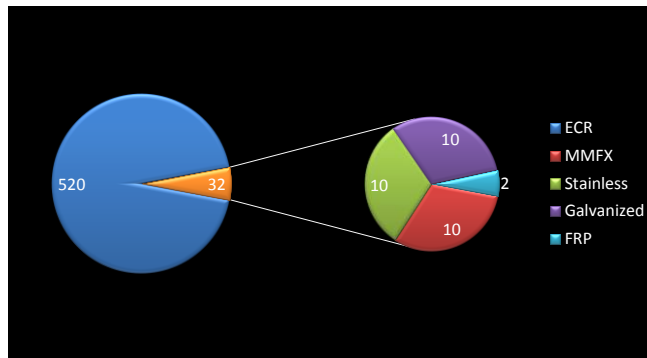
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## Research programs

- FHWA/ Lee
  - Appears to be on hold
  - Discussion with FHWA scheduled for December
- Purdue
  - Should be completed Q4 2013
  - EIG to summarize and publish in 2014
- Others?

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## Estimated tonnage



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## Competitor Notes

### Competitor activities

- MMFX
  - Increased sales team
  - Working on high strength bars
- Stainless
  - Several large projects
    - Hoan Bridge
    - Large Minnesota bridges
- Galvanized
  - Tappan Zee
    - Minimal growth elsewhere
- FRP
  - Active at conferences and shows

### ECR Defense

- Better than MMFX and galvanized in all research programs
- 80 ksi coated bars available
- Money spent on expensive bars could alleviate todays problems
  - Make sure discount rates are appropriately applied
- What happens to FRP in fire?
- High strength does not help when building decks
- Be present at appropriate shows and conferences

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Other old business?

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## **NEW BUSINESS**

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## **Fabrication Certification**

- Program launched by CRSI
- What EIG activities should be conducted to support this change?
  - Agencies?
  - Advertising/advertorials?
- Discussion

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## New certification programs?

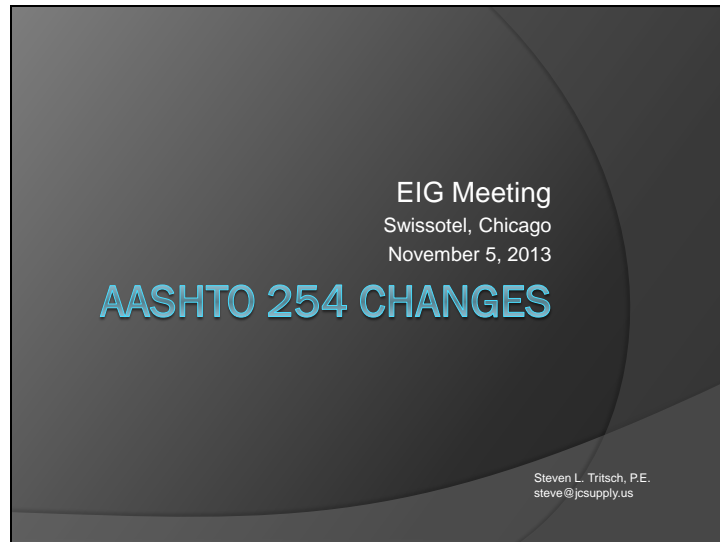
- Level the playing field for other products
  - Galvanized
  - Stainless steel
- Should we push this within CRSI?

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**ADJOURN**

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Slide 1



EIG Meeting  
Swissotel, Chicago  
November 5, 2013

## AASHTO 254 CHANGES

Steven L. Tritsch, P.E.  
steve@jcsupply.us

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**AASHTO Designation: M 254-06 (2010)  
Corrosion-Resistant Coated Dowel Bars**

- Update
  - Industry Standards
  - Simplify
  - Reduce Redundancy
- Documentation
  - Parameters for Storage
  - Frequency
  - Add Type C
  - Add Type D

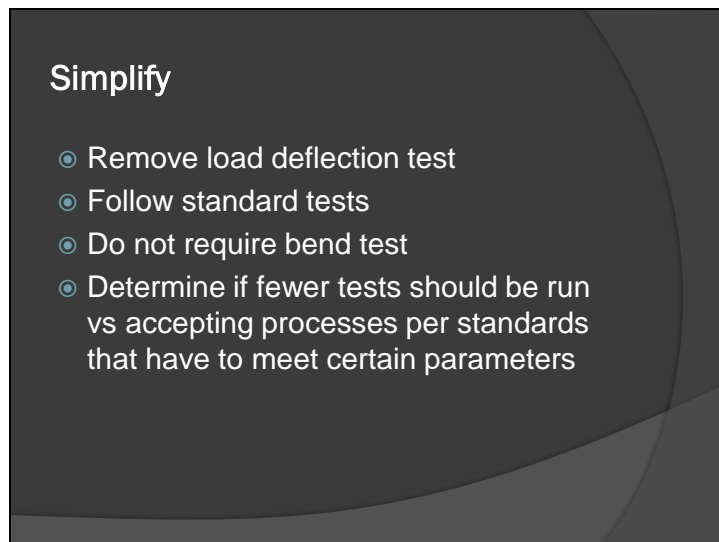
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## Industry Standards

- Thickness Measurement
- Epoxy Coating per ASTM
- Test Procedures

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## Simplify

- Remove load deflection test
- Follow standard tests
- Do not require bend test
- Determine if fewer tests should be run vs accepting processes per standards that have to meet certain parameters

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### Type C

- For extended life pavements
- One coat system
  - Based on corrosion resistance – must pass ASTM 955 corrosion test
- Consider abrasion, impact, and thickness requirements for specification

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### Type D

- For long life pavements
- Two coat system
  - Base for corrosion resistance – must pass ASTM 955 corrosion test
  - Surface for protection of base coat
- Consider abrasion, impact, and thickness requirements for specification

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## Frequency

- ⦿ Not covered in current specification
  - Only if changing material or procedure
- ⦿ How often should agency require tests
  - If ASTM 1078, guidance is provided within the specification
  - If CRSI certified, a QC/QA procedure must be followed

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## Parameters for storage

- ⦿ None in current specification
  - If stored outdoors more than 30 days, material must be covered
- ⦿ Tectyl or similar material limitation
  - Cover after application if not scheduled for use within 30 days

**AASHTO Designation: T 253-02 (2011)  
Standard Method of Test for Coated Dowel Bars**

- ◉ Remove unnecessary test
  - Load deflection test
  - Freeze thaw in pullout test
  - Chemical resistance test
- ◉ Update to reflect current technology and test procedures