

Meeting Minutes

1. Welcome - Call to order and Declaration of a Quorum (Carter) 2:00 PM
2. Opening Comments and Circulation of Attendance Sheet. All Directors and Officers were in attendance, except Jim Swanson; Jim's proxy was given to Charlie Carter.
3. Meeting Agenda approved
4. Approval of minutes of the June 2013 meeting (Carter) – Approved, except remove Chuck Hundley from attendees list for 2013. All voted in favor, except Curtis who abstained.
5. Joe Greenslade Secretary/Treasurer's Report (Greenslade)
 - a. Membership
 - i. Total membership – 81
 - ii. New members – 2
 1. Jamie Deckard – Progressive Design
 2. Justin Ocel – Federal Highway Administration
 - iii. Withdrawn members - 6
 1. Changed industries - 1
 2. Retired - 3
 3. No response and no 2014 Research Contribution – 2
 - iv. Pending Applicant - Sarah Olthof – Corrosion Control Consultants and Labs; will be addressed by email after meeting
 - b. Financials
 - i. Net Worth 2013
 1. Start - \$173, 186
 2. End - \$213,036
 3. Gain - \$39,850
 - ii. Net Worth 2014 as of May 30
 1. Start - \$213,036
 2. End - \$261,029
 3. Gain - \$47,993
 - iii. 2014 meeting expenses
 1. Should be fully covered by income and sponsorships during May 2014.
 2. Thanks to our sponsors for 2014 Thursday evening dinner
 - a. Hussam N. Mahmoud - Colorado State University
 - b. Gene Mitchell – Consultant
 - c. Karl Frank - Hirschfield Industries
 - d. Peter Kasper - lfastgroupe/Infasco/DSI
 - iv. Research Fees
 1. 2013 – final payment of \$5000 made to Salim Brahimi
 2. 2014 - Outstanding – none, no open project as of June 6, 2014
6. Director Ballot – (Carter)

- a. All nominees were elected or re-elected as presented. Nominating committee: Nominating Committee: Victor Schnur, Todd Ude, Toby Anderson - results
 - i. Al Harrold elected as Chairman
 - ii. Salim Brahimy elected as Vice-Chairman
 - iii. Joe Greenslade – re-elected to Secretary/Treasurer
 - iv. Tom Schlafly – elected as Director
 - v. Chuck Hundley – re-elected as Director

7. Specification Committee Activities (Harrold)

- a. Report attached.
- b. Items not approved by the end of the Main Committee this week will NOT be included in the 2014 RCSC Standard. One exception noted below in item d.
- c. Motion to find proposal S14-054 editorial to keep the intent intact. All voted in favor.
- d. There will be a discussion in Specification Committee of changing the definition of “snug-tight”. A straw poll will be taken and if there is enough agreement for balloting this one item out for ballot before publication of the 2014 Standard. Motion by Al, second by Curtis – all voted in favor.
- e. Al made a motion that the “Specification Committee” be divided into a number of standing sub-committees responsible for defined sections of the Standard to review specific Standard change proposal to the Specification Committee Chairman who in turn will present the proposals to the Executive Committee. Salim second- All voted in favor.

8. Other Committee Activities

- a. Spending Committee Report (Ude)
 - i. Project ideas such as:
 - 1. Installation training videos or other training concepts related to steel construction such as “turn of nut”, “TC bolt”, “DTI”. “Pre-installation qualification”, etc.
 - 2. Explore various scholarship possibilities
 - 3. Research projects generated via collaboration with AISC, CSI, colleges or other entities concerned with bolting. Possibly create
 - ii. Ude is asked to bring forth a few firm proposals for projects such as the above to be investigated and pursued. Ideally, spending will begin in 2014.
- b. Liaison Report (Greenslade): ASTM - ISO - ASME – IFI (report attached).

9. Summary of Friday Technical Presentations

- a. Chad Larson -- update on work to create a consolidated ASTM standard for bolting products.
- b. Salim Brahimy -- lessons for coating of higher-strength bolts and recommendations for future work.
- c. Todd Helwig/Joe Yura -- progress report on AISC/RCSC project on galvanized bolted surfaces.
- d. Justin Ocel -- round robin testing using RCSC Specification Appendix A.
- e. Bernardo Duran – AGA testing of slip resistance of galvanized faying surfaces.

10. Old Business

- a. Raise General Interest annual research contribution from \$50 to \$100 – no action - tabled until next year.

11. New Business

- a. ASTM consideration of updating and incorporating RCSC Specification Appendix A into an ASTM standard. Al will ask Karl Frank for his suggestion on how RCSC should respond to this possible action by ASTM D1.46.
- b. Chad Larson's request to update RCSC bulletin on F1136 coatings. A request for volunteers will be made in the Main Committee meeting for a task group for the revision of this bulletin which will be presented to the Executive Committee prior to publication.

- c. Tom Schlafly's will be asked to submit a request for RCSC to co-fund an ASIC project on galvanized bolted surfaces in slip-critical connections (ref. \$35K possibility).
- d. Videos are requested from LPR work in the near future.
- e. Bob Shaw proposal to create a stand-alone RCSC standard to cover the "XTB".
The Executive Committee has agreed to consider how this product might logically be approached in the future by RCSC at the next interim web meeting of the Exec Com. The Exec. Com. will review and be prepared to schedule a web meeting to discuss no later than July 30.
- f. Carter advised that AISC would like to partner with RCSC to create a bolting Night School (8-session webinar series); RCSC would provide the program and speakers, AISC would facilitate the sessions, registration, etc. This would generate income for RCSC. Carter will make formal proposal at a later date.
- g. It was noted that we need to schedule the program and events next year to allow for committees other than the Specification Committee to meet.

12. Location and Dates: 2015 RCSC Annual Meeting will be held on June 11 – 12, with Exec meeting on June 10, in Montreal, Canada. Salim Brahim and McGill University will be the host.

13. Adjournment was at 6:15 PM.

RESEARCH COUNCIL ON STRUCTURAL CONNECTIONS

SPECIFICATION COMMITTEE A.1 MEETING, JUNE 5, 2014

PREVIEW OF MEETING AND REPORT TO EXECUTIVE COMMITTEE

The following is a brief preview of the Specification Committee meeting that will be held on June 5th, 2014:

- 1) Resolution of Ballot Results: Four items were balloted in 2014. The items discussed are as follows:
 - a) S12-047B Section 3.3 – Hole Definitions This ballot had 2 negatives (Miazga and H. Mitchell). The task group did a very good job of working out editorial language with the negative voters and both negatives were changed to affirmative with comment. Subject to approval of the editorial changes by the Spec Committee this ballot will pass and be included in the 2014 Edition.
 - b) S13-051 Section 13-051 – Section 9.2 Snug-Tight Inspection. This ballot had 1 negative (Curven) The negative voter could not find the ballot proposal in the packet. This negative fails to meet the Bylaw provisions for a proper negative and will be ignored. This ballot was the follow-up to ballots S11-038 and S12-045 from previous years. The ballot will pass and be included in the 2014 Edition.
 - c) S13-052 Section 6 – Use of Washers This ballot had no negatives. The ballot will pass and be included in the 2014 Edition.
 - d) S12-040 Section 8.2.4 Commentary. This ballot had four negatives (Birkemoe, Curven, Deal and Lohr). Through an administrative error this item was sent out to ballot rather than being sent to the Spec Committee task group that had been formed. Negatives will be deemed persuasive per administrative fiat and the task group will take up the process.
- 2) Four new proposed changes will be discussed. They are as follows:
 - a) S14-053 Table 3.1 – Larger standard holes for large bolts. This proposal was worked up by a Spec Committee task group that had been formed.
 - b) S14-054 Section 5.4 – Limitation on k_{sc} Equations. This is a proposal from Tom Murray to address a condition where the value of k_{sc} may get outside of an acceptable range, i.e., is no longer positive.
 - c) S12-046 Glossary – Definition of Torque. This proposal was worked up by a Spec Committee task group that had been formed.
 - d) S14-055 Section 2.4.2 Commentary – Lubricant Color. This is a proposal from Ray Tide to address a potential issue distinguishing hot-dipped galvanized parts versus mechanical galvanized parts.
- 3) Task group reports are anticipated on the following items:
 - a) Non-ASTM approved coatings
Certain members of the task group want to reopen this issue with the thought of overturning the previously passed ballot item.
 - b) Use of hardened washers with DTI's
 - c) Bolt length increments
 - d) Match-marking language for Turn of the Nut installation
 - e) Snug Tight definition for Turn of the Nut installation
 - f) Updates to the testing protocols in Appendix A

- 4) Old business items to be covered include the following items:
 - a) Thick coatings
 - b) Shear allowables
 - c) Oversize holes – slip critical vs. shear connections
 - d) Specification for XTB bolts
- 5) A new business item regarding the use of standing task groups to simplify the operation of the Spec Committee will be presented.



June 6, 2014

June 2014 ASTM F16 Liaison Report for RCSC

1. **ASME B18.31.3**, Threaded rod (inch) has been balloted a number of time. The next ballot should be opened in May 2014.
2. **ASTM F16 Structural Bolt Standard** – A new standard is in the works which is a compilation of inch and metric bolt standards including A325, A490, F1852, F 2280, A449, A354, A325M, and A490M. This is an effort to make the requirements of these related bolt standards consistent. A ballot closed in March. The results and any resulting comments will be reviewed and resolved at the May 7 meeting in Toronto.
3. **ASTM F436/F436M**, the inch and metric standards are in the process of being combined. No technical changes are involved.
4. **ASTM F959/F959M**, the inch and metric standards are in the process of being combined. No technical changes are involved.
5. **New 200KSI TC Bolt Standard**, this new standard, sponsored by Bob Shaw, has been through two ballots and will soon be balloted a third time after which it will probably be published.
6. **ASTM A354** – as a result of the Bay Bridge A354 BD failure this standard F16 is reviewing the entire standard to determine how the standard can be improved to avoid future incidences in the future.

Joe Greenslade
IFI Director of Engineering Technology
jgreenslade@indfast.org