ACI 408 – Development and Splicing of Deformed Bars  
Sunday, October 16, 2011  
Room C-264, Duke Energy Convention Centre, Cincinnati, OH

Present:  
Robert Barnes  
JoAnn Browning  
Chris Carroll (V)  
Tim Cartwright  
Genda Chen  
Doug Cleary  
Lou Colarusso  
Jon Colinares (V)  
Rolf Eligehausen  
Anthony Felder  
Werner Fuchs  
Brian Gerber  
Neil Hawkins  
Andre Hoermann-Gast (V)  
(V) – Visitor  
Bruce Ireland  
Josh Ison (V)  
LeRoy Lutz  
Juan Murcia (V)  
Khaled Nahlawi (ACI Staff)  
Jim Schroder  
John Silva  
Pericles Stivaros (TAC)  
Keith Thompson  
Bret Turley  
Chenglin Wu (V)  
Jian Zhao (V)  
Bill Zehrt  

Regrets:  
Tess Ahlborn  
Scott Graham  

1. Welcome  
Chair Matamoros welcomed all to the committee meeting.

2. Introductions  
Introductions were made.

3. Approval of the Minutes from the Spring 2011 Convention in Tampa  
Change Roy to Rolf Eligehausen.  
Item 8, change “staggered” to “stagger”.  
Adolfo incorrectly spelled as Adolpho twice in the minutes.  
Minutes were approved as amended.

4. Membership Changes  
Jim Schroeder has been added as a member.  
Alvin Erickson is stepping from voting member due to new job responsibilities and will  
continue as a consulting member.

5. 408A met earlier in the morning.  
Ballot item related to type 0 splices was discussed.  
Balloting for the entire document will take place before the Spring Convention.
Chapter 3 – Head Types: All negatives as well as comments were addressed in the revision. This chapter will be re-balloted.
Chapter 4 – Notation: This ballot passed. Negatives will be addressed. This chapter will likely not require re-balloting.
Chapter 5 – Historical Review: This ballot passed. Negatives will be addressed.
Chapter 6 – Headed Bar Devices: This ballot passed. The committee will review and resolve the negative comments. This chapter will likely not require re-balloting.
Chapters 7 – 11 will all be balloted such that the ballots will close prior to the Spring Convention.

   JoAnn has been leading the effort on this document. It was balloted with comments addressed and negatives resolved, presented to TAC, and TAC comments have been received. TAC comments were addressed with negatives resolved this past summer. We are waiting on a final TAC decision and we will then proceed accordingly.

7. “Mechanical Reinforcing Bar Anchorage” ACI 408.4R.XX
   Please refer to Item 5 above.

8. ACI 439 Document on Stagger Requirements for Mechanical Splices
   This document was approved by the committee and comments were addressed so it will be forwarded to committee 318-B for consideration. The intention is to incorporate this information in ACI318-17.

9. ACI 408-03 Bond and Development of Straight Reinforcing Bars in Tension
   Parts of this document need to be updated. For example, one area that needs to be addressed is updating information regarding the recent changes to the European Model Code (currently published as a draft document, 2010).

   Motion (Hawkins/Silva): That we maintain ACI 408-03 with work done in the next cycle to update information regarding European requirements. The document will also potentially need to be updated to address high strength bars (Grades 80 and 100), ultra-high performance concrete, enamel coating of bars, and large diameter bars. The motion was approved unanimously (13 committee members voting for, zero abstentions and zero against).

   A sub-committee will be tasked with the update related to European Code provisions (Eligehausen, Silva, Fuchs). Quick research presentations are requested for the meeting in Dallas related to the European Code provisions (TBA) and enamel coating (Chen).

10. Technical Sessions:
    a. Recent Developments in Bond Splice Tests, Fall 2011 Cincinnati.
       Seven presentations will be made in the session this afternoon. All are welcome to attend.
The program for this session has now been set. The session is in four parts, with one part (Part 2) sponsored by Committee 408.

c. ASCE Structures Congress 2013 in Pittsburgh.
A session is being solicited as a joint ASCE/ACI committee as part of an ACI track at this congress, potentially related to couplers and headed bars or seismic performance of connections. A decision including the title (“Bringing Reinforcing Bar Anchorage into the 21st Century” and the suggestion of four to six speakers: connections with headed bars (Colarruso), high-strength bars (Cairns with Browning as a backup), post-installed bars (Elighausen or Silva), hooks in high-strength concrete (Darwin/Browning), enamel coated bars (Chen), performance of splices during the Chile earthquake (Santiago, proposed) needs to be presented in the next week.

11. Research Presentations
Silva made a presentation on performance of reinforced concrete connections during the recent Japanese tsunami.

12. Other Business
Recent ASCE/ACI 59-11 Blast Standard has now been released.

13. Next Meeting
March 18, 2012 in Dallas, TX.

14. Adjournment
The meeting was adjourned at 10:47 am.