

ACI 408 – Development and Splicing of Deformed Bars

Sunday, Oct. 24, 2010

Room 306

Present:

Tess Alhborn

Joerg Asmus (V)

Robert Barnes

J.J. Braun

JoAnn Browning

Domingo Carreira

Tim Cartwright (V)

Doug Cleary

Lou Colarusso

Richard Devries

Alvin Ericson

Anthony Felder

Lisa Feldman

Werner Fuchs

Brian Gerber

Partha Ghosal (V)

Scott Graham

Brent Hungerford (V)

LeRoy Lutz

Ted Mize (V)

Bohwan Oh (V)

Conrad Paulson

Gangolu Appa Rao

Jim Schroder

M. Keith Thompson

Toshi Yamanishi (V)

Bill Zehrt

Adolfo Matamoros

Regrets:

Neil Hawkins

Steve Holdsworth

Bruce Ireland

Roberto Leon

Kenneth Luttrell

Julio Ramirez

John Silva

1. Welcome

Chair Matamoros welcomed all to the committee meeting.

2. Introductions

Introductions were made.

3. Approval of the Minutes from the Spring 2010 Convention in Chicago

The minutes of the Spring 2010 Convention meeting were approved as is.

4. Membership Changes

- Struck from Committee: Ee Hui Chang, and Pandu Rangan Krishnamurthy
- New Associate Member: Sung-Chul Chun

5. Update of ACI 318-B

Most discussion have focused on provisions for headed bars and anchoring heads, integrity reinforcement for slabs, some items related to welding, etc. Paulson reported that ASTM 970-09 Annex A1 for HA heads may be cited for the 2011 edition of the Code. Two meetings will be held at this Convention to: resolve TAC negatives for 2011 code and Appendix D, and to look towards the 2013 Code and the

major reorganization that is required. Technical changes for 2013 will start being considered early next year.

6. Update on Bond Under Cyclic Loads (ACI 408.2R-92) (Reapproved 2005)”

JoAnn Browning provided an update of the status of this document. She noted that there were 490 comments with 60 of them being primary comments. The document will be re-balloted before next convention once all TAC comments have been addressed.

7. Update for “Mechanical Reinforcing Bar Anchorage” ACI408.4R-XX

The ballot results for Chapter 3 were presented by Matamoros. There are five negatives to address, 11 affirmative ballots, 4 affirmative with comments, 11 not returned. Reviewing individual comments:

- Thompson: ASTM A970 has gone through several versions during the preparation of this document. The proposed document is not longer current with the ASTM document. ASTM A970-09 seems to be the most relevant version of this document as related to ACI408.4R-XX. No particular resolution was suggested.
- Colarruso: suggests that information regarding obstructions be included and to refer to ASTM A970-09. It was agreed that Table 3.1 was meant to show generic devices and needs to be described as such. Colarusso’s final comment was withdrawn.
- Dahl: The figure included on page 1 in Dahl’s response should be considered for inclusion in the document but generically showing the development length rather than using the Code notation, l_{dt} . It was agreed by the committee that Table 3.1 should remain. To address comment #2, it was agreed that an additional illustration should be added for friction-welded heads and hot-forced heads as that shown is not representative of all headed bars of that type. A preface to the table should be added to note that this table is not intended to be all encompassing but just a representative sampling of currently available samples at the time of publication. Comment #3 was suggested to be non-persuasive (proposed by Matamoros, seconded by Thompson, 13 in favor, 1 abstention – it did meet the ACI requirements to pass) as Table 3.1 was intended to show a sampling of types only. Comment #4: make clarification of $2d_b$.
- Holdsworth’s comments were reviewed.
- Cleary: Withdrew his comments.

Action: Thompson will review the comments to the Table in the next 30 days so that the chapter can be re-balloted.

8. ACI 408A “Document on Stagger Requirements for Mechanical Splices”

- First meeting held immediately prior to this meeting.

One negative and four comments were received. A negative from Barnes related to a table that should not have been deleted from the document. The negative was then

withdrawn by Barnes as he believed that retaining the table satisfactorily addressed his concern. The motion to remove 12.15.4 and associated commentary as it is redundant and already stated previously (done to eliminate the need for a formal letter ballot conducted after the convention) with subsequent sections renumbers (proposed by Colarusso, seconded by Browning), was unanimously approved by all voting members in attendance.

9. Technical Sessions

- Symposium Honoring James Jirsa's Legacy in Structural Concrete: A Time to Reflect: Bond and Development Length – Fall 2011 Cincinnati
This symposium has been moved from Cincinnati to Dallas. The list of speakers is currently under development.
- Recent Developments in Bond Splice Tests: Fall 2011 Cincinnati
This session is being organized by Chen. The session request has been submitted with abstracts provided by the proposed speakers. The session request is being evaluated at this convention.

10. Research Presentations

There were no research presentations at this meeting.

11. Other Business

A subcommittee has been developed for compression splices. Lutz, Darwin, and Feldman currently make up the sub-committee but others are encouraged to express their interest in joining. The sub-committee plans to review the historical literature, collect test data, compare to 318 provisions, and provide a recommendation.

12. Next Meeting

Sunday, April 3, 2011 in Tampa, FL.

13. Adjournment

The meeting was adjourned at 10:53 am.