

ACI 408 – Development and Splicing of Deformed Bars

Sunday, April 3, 2011
Marriott Meeting Room #7

Present:

G. Apparao	Craig Guy (V)
Robert Barnes	Jan Hoffman
Jacques Bertrand (V)	Slamah Krem (V)
Peter Bischoff	Ken Luttrell (V)
Domingo J. Carreira (V)	LeRoy Lutz
Oan Chul Choi	Adolpho Matamoros
Lou Colarusso	S.J. Pantazopoulou
Roy Eligehausen	Max Porter
Alvin Ericson	Jim Schroder
Anthony Felder	John Silva
Lisa Feldman	Bret Turley
Werner Fuchs	G.E. Joe Warnes
Scott Graham	Bill Zehrt
(V) - Visitor	

Regrets:

Jean Jacques Braun	Allen Hulshizer
Neil Hawkins	Bruce Ireland
Steve Holdworth	Koray A. Tureyen

1. Welcome
Chair Matamoros welcomed all to the committee meeting.
2. Introductions
Introductions were made.
3. Approval of the minutes from the Fall 2010 Convention in Pittsburgh
The minutes of the Meeting from the Fall 2010 Convention in Pittsburgh were approved as is.
4. Membership Changes
One new associate member – Christopher R. Hart
5. Update on ACI 318-B
Work is moving forward. Most changes will be taken care of within one month's time.
6. Update on “Bond under Cyclic Loads (ACI 408.2R-92) (Reapproved 2005)”
The document has been balloted, and TAC has provided its reviewed. The TAC comments have now been addressed and the document is in the final stages of balloting based on changes made as a result of addressing the TAC comments. The balloting is specifically on

the changes made to respond to TAC. The ballot is due at the end of April. Everyone is encouraged to vote to meet the committee requirements for returned votes.

7. Update for “Mechanical Reinforcing Bar Anchorage” ACI 408.4R-XX
Four chapters have been balloted. Chapters 5 and 6 have now been balloted with champions delegated for each chapter to address all received comments. Two more chapters must be written with volunteers assigned. Four chapters will be balloted over the upcoming weeks on a chapter by chapter basis. Comments will be addressed at the Cincinnati meeting. Anyone with comments on ballots is encouraged to attend the 408-A meeting at the next convention.
8. ACI 439 Document on Stagger Requirements for Mechanical Splices
Type 0 splice (i.e. lower performing splice) is to be removed. As a result, the need for staggered is virtually eliminated.
9. ACI 408-03 Bond and Development of Straight Reinforcing Bars in Tension
A discussion ensued as to whether this document could simply be reapproved. A ballot to do so is still required and a letter ballot will be posted shortly after this meeting. A few more tests may be available to be added to the associated database, which may slightly change some of the statistics and graphs, but the resulting changes would be minimal in comparison to the effort it would take to do this updating.

Committee members noted that an update relating to the ductility of development length for seismic design could be considered and would be likely required if the document was updated. These changes could be anticipated and done in advance of the TAC review.

Chapter 4 of the document relates to design provisions, some of which have been reissued since the 408 document was released in 2003. The CEB-FIP model code was reissued in 2010 and may have some changes related to the development of straight bars in tension which should be updated in the 408 document.

It was suggested that reapproving the document be delayed until such time as the ACI318-2014 code is issued. At such time, the committee will then be able to update all code references in the document to match the new code.

In the interest of time, Adolpho will consider reapproving the document as is while starting to work in earnest on updating the information in Chapter 4 over a longer time period.

10. Technical Sessions (updates)
 - a. Recent Developments in Bond Splice Tests – Fall 2011 Cincinnati
The outcome of the request is not known at this time. The committee members will be notified once the result is received.
 - b. Symposium Honoring James Jirsa’s Legacy in Structural Concrete: A Time to Reflect: Bond and Development Length. Spring 2012 Dallas (moved from Fall 2011, Cincinnati), Sergio Alcorer and Jose Picheira.

The organization of this session is in progress.

11. Research Presentations

Oan Chul Choi has requested to make a research presentation related to the bond of deformed bars with alternating rib heights to the committee at the Cincinnati convention.

12. Other Business

It was announced that the 4th FIB Specialty Conference related to Bond in Conference will be held from June 17 – 20, 2012 in Brescia, Italy. This conference takes place once every ten years. More information will follow. It is expected that the call for papers will follow shortly.

13. Next Meeting

Sunday, October 16, 2011 in Cincinnati, OH. Chair Matamoros will send an announcement in advance of the meeting to inform everyone of the actual start time. The start time will be delayed to allow more time for the 408-A meeting that precedes it.

14. Adjournment

The meeting was adjourned at 9:45 am.