

318 Sub D – Flexure and Axial Loads

ACI 318 Spring Convention
Hyatt Regency Dallas
Dallas, TX

Tuesday, March 20, 2012

Cumberland I

8:00 AM – 12:00 PM

Minutes

1. Call to order and welcome

Chair Frosch called the meeting to order, welcoming both members and guests.

Members in attendance:

Frosch (chair), Bertero, Browning, Garcia, Mlakar, Parra-Montesinos, Pincheira, Saiidi, Santana, Taylor, Salmon (Consulting), Zeisler (ACI Staff)

Members sending regrets:

Bommer, Ghosh, Klemencic

Visitors in attendance:

Mahmoud Kamara, Matthew Lovell, Shamim Sheikh

2. Approval of minutes

A motion to approve the minutes of the Fall 2011 meeting was made by Taylor and seconded by Browning. The minutes were approved by unanimous voice vote.

3. Code Chapters

a. Chapter 25 – Plain Concrete

In the 30 day review period for the chapter, Dave Gustafson provided a suggestion that the wording “contribution to” be added to 25.5.1.6 such that it reads “No contribution to strength shall be assigned to steel reinforcement.” The suggestion was reviewed. The previously approved wording is identical to that in 318-11, and it was felt that the additional words may add confusion. A motion was made by Taylor and seconded by Saiidi to maintain the previously approved wording. This motion was unanimously approved. Therefore, the plain concrete chapter will remain as approved by the main committee.

b. Chapter 13 – Beams

This chapter was balloted for the second time on LB12-2. Approximately 15 pages of comments were received. The committee spent some time reviewing several of the negatives. The current plan is to revise the chapter in the weeks following the convention and attempt to resolve negatives with those voters. If this approach is successful, the chapter will be submitted to the main committee for final approval at the Summer 2012 meeting.

c. Chapter 14 – Columns

This chapter was balloted for the first time on LB12-2. Approximately 16 pages of comments were received. Depending on the extent of changes required, the chapter may be reballoted on LB12-4 with a target for approval at the Summer 2012 meeting.

4. Commentary

a. Chapter 25 – Plain concrete

The commentary for this chapter was balloted by Sub D on LB12D-1. All comments were reviewed. Based on responses and changes made, all negatives were addressed. A motion was made by Taylor and seconded by Garcia to approve the revised commentary. The commentary was unanimously approved for submission to the main committee.

b. Chapter 11 – One way slabs

The commentary for this chapter is under development by Bommer and Parra. There was some concern about how commentary that affects multiple member chapters will be handled; therefore, balloting of this chapter by Sub D had been delayed to allow discussion by Sub R. Sub R decided to provide pointers to other member chapters to avoid repetition of commentary and determined that the beam chapter will be the primary home, when appropriate. Parra will finalize the chapter following the convention.

c. Commentary Task Groups

As a reminder, task group leaders for the commentary chapters are as follows:

Plain concrete: Browning (lead) and Parra

One-way slabs: Bommer (lead) and Parra

Beams: Taylor (lead) and Browning

Columns: Pincheira (lead) and Taylor

5. CD Items

a. CD007 – Tension controlled requirement

This item was balloted on LB12D-1. No negatives were received. Several editorial changes were made to the proposal in response to comments. A motion was made by Taylor and seconded by Garcia to approve the revised proposal. The change proposal was unanimously approved and will be submitted to the main committee for ballot.

b. CD009 – Minimum reinforcement for flexural members

Several negatives were received on this item. Rather than go through each comment, a general discussion occurred regarding some of the concerns about changing this requirement as well as the desire of the subcommittee to continue pursuing this item. Concern was expressed that a large reduction in reinforcement area can result as illustrated by some of the examples. It was felt that the examples currently presented do not provide the complete picture and that more complete examples are required. For instance, the $1.33M_u$ requirement can

control which changes the net effect. It is important that practical examples be presented as part of the change proposal. Overall, there was general consensus that Sub D should continue working on this item. Both Garcia and Taylor indicated that they can assist Bommer in developing examples.

c. CD022 – Steel fibers for tension

This item was balloted on LB12D-1. No negatives were received. Several editorial changes were made in response to comments. A motion was made by Garcia and seconded by Taylor to approve the revised proposal. The change proposal was unanimously approved and will be submitted to the main committee for ballot.

d. CD018 – Interlocking spirals

This proposal, which was previously approved in Cincinnati, will be reformatted to be consistent with the reorganized columns chapter. This new business item will be submitted to the main committee if there is time in the reorganization schedule.

6. New business

None.

7. Adjourn

The meeting was adjourned at 12:00 pm.