ACI 440L Minutes Toronto, Canada

Durability of FRP Structures

Sunday, October 21, 2012

Room: GRAND EAST

The Sheraton Center

Members present:
John Myers – Chair
Jenny Tanner – Co-Chair
Heidy Bravermen
Gregg Blaszak
John Busel
Trey Hamilton
Rudi Seracino
Xavier Seynave
Mahnut Ekenel
Carol Shield
Sara Witt
Ehab El-Salakawy

Visitors present:
Paulina Aruesskce
Martin Krall
Sobhy Masoud
Ciro Del Vecchio
Amir El Ragaby

1. J. Myers called the meeting to order.
2. J. Myers presented the meeting agenda and they were approved.
3. J. Myers presented the Dallas Spring 2012 440L meeting minutes which were approved.
4. T. Hamilton was acknowledged for his efforts to prepare the document for ballot.
5. J Myers reported on ballot summary and previous discussion on negative resolution.
   • Bank 1-1-1 - Withdrew negative via e-mail correspondence with John Myers.

Chapter 1

Negatives submitted were addressed and responses were prepared to present to the main committee. Individual responses are clarified in supporting table indicating resolution of negatives.
Inclusion of mechanical fasteners in Chapter 1 and 3 was discussed. A variety of opinions were presented to bring the issue to main.

Chapter 3

Discussion on references constituted part of the meeting. Prior to balloting the document, Dr. Myers removed many references in Chapter 3. Two additional references were removed based on meeting discussion. Conference paper by Hamilton et al. was removed. Requests to add references were denied. As a result of the discussion Porter changed his negative votes to AC: Porter 1-13-11; Porter 3-38-4 through 5; and Porter 4-13-20.

Steel fibers in FRP were eliminated from document.

Blaszak withdrew negative on Chapter 3, page 11, line 20.

Other items

A discussion ensued with M. Green about temperature of test. Dr. Green recommended using a lower temperature to ensure that the Arrhenius equation is valid.

Chapter 4

Concrete strength was discussed. High strengths are required in the beam test to achieve an adhesive failure rather than a cohesive failure. Lower strengths are desired in the bar conditioning for high permeability. A solution to separate compressive strengths for each chapter was proposed. Chapter 5 will use the prescribed concrete mix referenced in D7705. Chapter 6 will use the high strength mix presented in Chapter 4.

The meeting was adjourned at 5 PM.