

**ACI 440L Minutes Dallas, TX**

**Durability of FRP Structures**

**Sunday March 18, 2012**

**Hyatt Regency Dallas, Cumberland G**

Meeting Attendees:

Voting Members		Visitor	
Bae	Sang-Wook	Blaszak	Gregg
Bakis	Charles	Cheng	Dawn
Bradberry	Timothy	El-Salakawy	Ehab
Busel	John	Eyre	Kyle
Ekenel	Mahmut	Gentry	Russell
Gold	William J	Gross	Shawn
Gremel	Doug	Matta	Fabio
Hamilton	Trey	McClaskey	Charles
Myers	John	Middlesworth	Jeff
Nanni	Antonio	Stratman	Brian
Sen	Rajan		
Shield	Carol		
Steere	Samuel		
Tanner	Jennifer		
Ziehl	Paul		

1. Call to Order – the 440L sub-committee was called to order at 3:05pm by Chair Hamilton.
2. Introductions – attendees introduced themselves. A list of attendees is attached to the minutes.
3. Approval of Agenda – the agenda was approved unanimously, motioned by Chuck Bakis, seconded by Gregg Blaszak.
4. Approval of Cincinnati Minutes – the Tampa minutes were approved unanimously with one modification, motioned by Carol Shield, seconded by Mahmut Ekenel.
5. Modification in 440-L Leadership – Trey Hamilton informed the committee that he is stepping down as Chair of 440-L due to his commitment to serve on TAC following the end of this meeting.
6. Accelerated Conditioning Protocols – the committee started by reviewing the updated table of contents on the Accelerated Conditioning Protocol Document.
  - a. Co-chair Myers reviewed the re-drafted Chapter 3 with the committee which provides a brief durability overview and references more detailed citations for in-depth

commentary on FRP durability. This resulted in dispensing approximately 70% of the ballot comments and was the agreed upon approach from the Cincinnati Meeting.

- b. Chair Hamilton reviewed Chapter 4 which now presents the common accelerated condition for both internal and external FRP systems.
  - c. Chair Hamilton reviewed Chapter 5 which now presents the common accelerated condition for both internal FRP systems.
  - d. Chair Hamilton reviewed Chapter 6 which now presents the common accelerated condition for both external FRP systems.
  - e. Chair Hamilton reviewed Chapter 7 which now presents future work, recommendations, and on the horizon.
  - f. M. Ekenel stated that the document outline is much more clean and well organized. The approach will develop a meaningful durability database.
  - g. A. Nanni recommended that we make items consistent with other 440 documents and use language consistent with ASTM existing tests (where appropriate). The scope has to be aligned and not send any mixed messages. Chair Hamilton responded by saying the document will refer to ASTM methods to align consistency.
  - h. J. Busel would like to align terminology in the document. Currently, terminology
    - i. “FRP, FRP systems, FRP products, FRP materials, FRP bar, FRP specimens..”
  - i. Editorial Committee consisting of J. Busel, M. Ekenel and J. Myers will review for consistency.
7. Adjourn – the committee adjourned at 3:48pm.