

Agenda of ACI 363 – High-Strength Concrete

Sunday, November 8, 2015

Room: Majestic Ballroom

2:30 PM to 5:00 PM

ACI 2015 Fall Convention – Denver, CO

Presiding: Micah Hale

1.0 Welcome and Introduction

2.0 Review and approval of the minutes from Kansas City, MO

3.0 Review and approval of agenda

4.0 Committee membership

4.1 27 Voting members, 4 consulting members, and 24 associate members

5.0 Chair TAC Report

5.1 Michael Brown

6.0 ACI 363 Report on Lightweight HSC Document Status - Subcommittee Chair Mauricio Lopez

6.1 Balloted Chapters 2, 5, and 6

6.1.1 Chapter 2, Selection of Materials

6.1.2 Chapter 5, Properties of High Strength, Lightweight Concrete

6.1.3 Chapter 6, Structural Design Considerations

7.0 Current ballot – *Chapter 6 – Structural Design Considerations*

7.1 One negative and two comments

8.0 Open Committee Presentations

8.1 John Myers, *The Use of High Strength SCC in Bridge Girders*

9.0 Technical Sessions

9.1 Use of High Strength Concrete in Tall Building, Spring 2015, Kansas City, MO, 4 hours. Speakers and presentation titles are below.

Session 1: 1:30 to 3:30 PM, C-2204

1. *“High Strength Concrete Considerations for the 3280 ft Tall Kingdom Tower, Saudi Arabia”*, Robert Sinn, Principal and Building Structure Practice Leader, Thornton Tomasetti
2. *“Successful High Strength Concrete in Tall Buildings in North America”*, William Phelan, The Euclid Chemical Company
3. *“Testing of High Strength Concrete in Chicago”*, Walt Flood IV, Flood Testing Labs Inc.
4. *“The Successful Use of HSC in United States High-Rise Buildings”*, Cary Kopczynski and Joe Ferzli, CKC Structural Engineers

Session 2: 4:00 to 6:00 PM, C-2204

1. *“History and Development of HSC in Tall Building”*, Larry Novak, Director of Structural Engineering, Portland Cement Association

2. *“The Use of High Strength Concrete in Tower One of the World Trade Center”*, Casmir Bognacki, Chief of Materials, The Port Authority of NY and NJ
3. *“Concrete Challenges for High Seismic High Rises”*, Robert Sinn, Principal and Building Structure Practice Leader, Thornton Tomasetti
4. *“High Strength, High-Performance Iconic Supertall Towers: Trump Tower, Chicago, USA; Cayan Tower, Dubai, UAE; Burj Khalifa, Dubai, UAE”*, Bradley Young, Skidmore, Owings & Merrill LLP

10.0 Future Session

- 10.1 Fall 2016, Philadelphia, Revolutionary Concrete
 - 10.1.1 *HSC, It is not just for Tall Buildings*
 - 10.1.2 Two, 2 hour sessions – request submitted
 - 10.1.3 Speakers needed
 - 10.1.4 This session focuses on highlighting the use of high strength in structures other than tall buildings. This session is a follow-up to our previous session in Kansas City that focused on using high strength concrete in tall buildings. The session will benefit practicing engineers, producers, and researchers who are interested in the many possibilities and uses of high strength concrete.

Probable topics and potential speakers:

- Production and placing high strength concrete
- Testing of high strength concrete
- In-situ testing of high strength concrete
- Material properties and performance
- Benefits of using high strength concrete

- 10.2 Possible session on Placing and Curing High Strength Concrete or High Strength, Lightweight Concrete

11.0 Other Business

- 11.1 Conferences and Symposiums
- 11.2 HSC projects

12.0 New Business

13.0 Next Meeting – Sunday, April 17, 2016 at 2:30 (Milwaukee, WI)

14.0 Adjournment