Agenda of ACI 363 – High-Strength Concrete
Sunday, October 15, 2017
Room: D-Monorail B
2:30 PM to 5:00 PM
ACI 2017 Fall Convention – Anaheim, CA
Presiding: Mauricio Lopez

1.0 Welcome and Introductions

2.0 Review and approval of the minutes from Detroit, MI

3.0 Review and approval of agenda

4.0 Committee membership
- 4.1 27 Voting members, 4 consulting members, and 23 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 7
  - 6.1.1 Chapter 2, Selection of Materials
  - 6.1.2 Chapter 5, Properties of High Strength, Lightweight Concrete
  - 6.1.3 Chapter 7, Applications

7.0 ACI 211.4R-08: *Guide for Selecting Proportions for High-Strength Concrete Using Portland Cement and Other Cementitious Materials*
- 7.1 Recommended the existing document to be kept for 2 more years
- 7.2 Committee revisions needed by 2018
- 7.3 Volunteers to review chapters

8.0 Open Committee Presentations
- 8.1 Proposed mini-session for Spring 2018

9.0 Future Sessions – Walt Flood, IV
- 9.1 Concrete Modulus of Elasticity – How High is High?
  - ACI Spring, Salt Lake City, UT – 363 is a co-sponsor
- 9.2 Ensuring a Successful High Strength Concrete Project
  - Salt Lake City, Spring 2018, Postpone until Fall 2018 in Las Vegas?
  - 4 to 5 speakers are needed.

10.0 Other Business
- 10.1 Conferences and Symposiums
- 10.2 HSC projects

11.0 New Business

12.0 Committee Liaisons

12.1 HSC updates from other ACI Committees

13.0 Next Meeting – Sunday, March 25, 2017 at 2:30 (Salt Lake City)

14.0 Adjournment

Table of Contents for 211.4R-08

1.0 Chapter 1—Introduction and scope
- 1.1 Introduction
- 1.2 Scope

2.0 Chapter 2—Notation and definitions
- 2.1 Notation
- 2.2 Definitions

3.0 Chapter 3—Performance requirements
- 3.1 Test age
- 3.2 Required average compressive strength for f'_{cr}
- 3.3 Other requirements

4.0 Chapter 4—Concrete materials
- 4.1 Introduction
- 4.2 Portland cement
- 4.3 Fly ash
- 4.4 Silica fume
- 4.5 Slag cement
- 4.6 Combinations of other cementitious materials
- 4.7 Mixing water
- 4.8 Coarse aggregate
- 4.9 Fine aggregate
- 4.10 Chemical admixtures

5.0 Chapter 5—High-strength concrete mixture properties
- 5.1 Introduction
- 5.2 Water-cementitious material ratio
- 5.3 Workability

6.0 Chapter 6—High-strength concrete mixture proportioning using fly ash
- 6.1 Fundamental relationship
- 6.2 Concrete mixture proportioning
- 6.3 Sample calculations

7.0 Chapter 7—High-strength concrete mixture proportioning using silica fume
- 7.1 Fundamental relationships
- 7.2 Concrete mixture proportioning
- 7.3 Sample calculations

8.0 Chapter 8—High-strength concrete mixture proportioning using slag cement
- 8.1 Fundamental relationships
- 8.2 Concrete mixture proportioning
- 8.3 Sample calculations

9.0 Chapter 9—References
- 9.1 Referenced standards and reports
- 9.2 Cited references