1. Introduction

2. Approval of Spring 2012 (Dallas) minutes

3. Membership (Appendix A)

4. Technical Sessions/Symposium Publications:
   Spring 2013 – Minneapolis, MN – three sessions
   
   “Advanced Materials and Sensors towards Smart Concrete Bridges: Concept, Performance, Evaluation, and Repair” moderated by Jimmy Kim
   
   “SCC in Repair Applications” moderated by Michael Brown and Devin Harris

5. Liaison reports from other committees (TAC, 342, 343, others)

6. Status of Documents
   
      Ad-hoc committee (Kim, Silfwerbrand, Williams, and St John) reviewed the document and proposed revisions
   
   b. **345.XR – Guide for Concrete Bridge Deck Repair and Rehabilitation**
      
      Chapter 1 – Brown to draft after other chapters
      Chapter 2 – Brown to draft after other chapters
      Chapter 3 – send to 342 as the basis for their new document on Bridge Superstructure Condition Assessment. Overview (brief synopsis) from Jeff Smith/Larry Olson – by April 15, 2012: to check progress
      Chapter 4 – Weyers to draft – Brown to check status by Oct 31, 2011: sent a doc of ACI-546 to Weyers
      Chapter 5 – to be balloted in October (Brown to post by Oct 31, 2011): need to check
      Chapter 6 – Needs additional sections drafted (St. John/Kim/Williams) by Feb 28, 2012: to check progress (Williams and Kim completed)
      Chapter 7 – Sprinkel and Silfwerbrand: new contents proposed (See Appendix A)
      Chapter 8 – Brown to draft – by Feb 28, 2012: to check progress
Chapter 9 – to check progress

9.1 – Sidewalks – Andy Foden – by May 31, 2012: to check progress

9.2 – Parapets – Andy Foden – by Feb 28, 2012: to check progress


9.4 – Approach slabs – Mark Williams/Devin Harris – by Feb 28, 2012: to check progress


7. Other Business
Appendix A

Membership as of Oct. 2012: **47 members**

**Officers:** 2
Kim, Yail Jimmy (Chair) Oglesby, Rita K (Secretary)

**TAC Contact**
Sprinkel, Michael M

**Voting members:** 13
Beaver, Jesse Brown, Michael C Carroll, Chris Foden, Andrew J Gepreaegs, Oliver K Matejowsky, Alan B Sandberg, Harold R Silfwerbrand, Johan L Sprinkel, Michael M St John, Paul J Vaughn, Ronald E Weyers, Richard E Williams, Mark Erik

**Consulting members:** 6
Anderson, James C Danley, Byron Fouad, Fouad H Harwood, Allan Virmani, Yash Wouters, Jeffrey

**Associate members:** 26
Appendix B

New proposal (additions in green):

Chapter 7 – Overlays *(Sprinkel & Silfwerbrand)*

7.1 Scope

7.2 Need for Overlays

7.2.1 Restored or Strengthened Load-Carrying Capacity
7.2.2 Waterproof Barrier
7.2.3 Skid Resistance
7.2.4 Wearing Course
7.2.5 Reduction of Wheel Load Effect

7.3 Required Properties of Overlays

7.3.1 Properties required of all overlays

7.3.1.1 Adhesion to concrete
7.3.1.2 Cohesion
7.3.1.3 Skid Resistance
7.3.1.4 Durability

7.3.2 Properties required of waterproof barriers

7.3.2.1 Impermeability
7.3.2.2 Crack Resistance
7.3.2.3 Temperature Compatibility

7.4 Types of Overlays

7.4.1 Plain Concrete Overlays
7.4.2 Reinforced Concrete Overlays
7.4.3 Fibre Concrete Overlays
7.4.4 Latex Modified Concrete Overlays
7.4.5 Hydraulic Cement Concrete Overlays
7.4.6 Polymer Overlays
7.4.7 Membrane and AC Overlays

7.5 Design Considerations

7.6 Construction Considerations

7.6.1 Scarification and Removal of Unsound Concrete
7.6.2 Cleaning
7.6.3 Substrate Preparation
7.6.4 Placement and Consolidation
7.6.5 Curing
7.6.6 Skid Resistance
7.6.7 Traffic Vibrations

7.7 Other Considerations

7.7.1 Material Performance Specifications

7.7.1.1 Cement Type
7.7.1.2 w/cm
7.7.1.3 Aggregate Size
7.7.1.4 Air Content
7.7.1.5 Slump
7.7.1.6 Compressive Strength
7.7.1.7 Shrinkage
7.7.1.8 Ductility

7.7.2 Environmental Considerations
Previous version:

Chapter 7 – Overlays *(Sprinkel & Silfwerbrand)*

7.1 Scope

7.2 Need for Overlays
   7.2.1 Waterproof Barrier
   7.2.2 Skid Resistance
   7.2.3 Wearing Course
   7.2.4 Reduction of Wheel Load Effect

7.3 Required Properties of Overlays
   7.3.1 Properties required of all overlays
      7.3.1.1 Adhesion to concrete
      7.3.1.2 Cohesion
      7.3.1.3 Skid Resistance
      7.3.1.4 Durability
   7.3.2 Properties required of waterproof barriers
      7.3.2.1 Impermeability
      7.3.2.2 Crack Resistance
      7.3.2.3 Temperature Compatibility

7.4 Types of Overlays
   7.4.1 Latex Modified Concrete Overlays
   7.4.2 Hydraulic Cement Concrete Overlays
   7.4.3 Polymer Overlays
   7.4.4 Membrane and AC Overlays

7.5 Design Considerations

7.6 Construction Considerations
   7.6.1 Constructing the Overlay
      7.6.1.1 Scarification and Removal of Unsound Concrete
      7.6.1.2 Substrate Preparation
      7.6.1.3 Placement and Consolidation
      7.6.1.4 Curing
      7.6.1.5 Skid Resistance

7.7 Other Considerations
   7.7.1 Material Performance Specifications
      7.7.1.1 Cement Type
      7.7.1.2 Maximum w/cm
      7.7.1.3 Maximum Aggregate Size
      7.7.1.4 Maximum Air Content
      7.7.1.5 Slump
      7.7.1.6 Minimum Compressive Strength