

**Florida Department of Transportation/Concrete Coalition of Florida  
FC & PA Headquarters, Orlando, Florida  
February 26, 2014 Minutes**

5 March 2014  
Revised: 29 April 2014

**COLOR CODE:**

Black	-- Agenda Item
Red	-- Agenda Item Author/Presenter
Blue	-- Agenda Item Discussion

**Welcome**

- Opening comments (Bergin/Westcott) – Introduction of attendees. Meeting to be extended by 30 minutes to accommodate the agenda.

**Ongoing Action Item**

- Slump Loss Test (Bergin/Markert/O'Leary) – The new slump loss test is in the proposed version of the 346 and the materials manual volume II section 9.2. Leigh Markert gave an overview of the proposed tested and the changes. Dave Westcott asked why can't we use the lab for all sizes of slump loss test. Shafts greater than 30 cu yds would be considered structural or maybe even mass and would carry much greater loads. These shafts would still require a field slump loss test.
- MAC Update (DeLorenzo) – Richard DeLorenzo gave an overview of MAC – what and when to expect MAC to come on line, replaces LIMS (the Departments current materials database). Mix design submittal will be through MAC. Dave Westcott ask about submittal data for MAC for design mixes. Richard responded that the volume II materials manual is currently being updated to reflect the new requirements. If data is in MAC why should the data be submitted again? Data should represent the material in the proposed design mix. Can industry be involved in the building of the system? The system was built around the requirements of the Department with surveys to industry requesting input. Who over sees MAC – the State Materials Office. Richard discussed the possible renumbering of mix designs, what effect would this have? Dave Westcott and Steve Nation responded with it may have an impact on our records. Industry to review the mix numbers and get back with SMO to determine if we need to keep the old numbers. Brian Price – will MAC assign a specification year to the design mix? Jeff O'Leary – specification year may create a problem. Feedback from Quality Systems is required.
- Concrete Design Mix Approval, new requirements of cylinder diameter, total load, etc. (O'Leary) – New requirements leading to the implementation of MAC. Requirements will be in the next version of the materials manual volume II.
- Current and future FDOT specification changes (O'Leary) – Industry doesn't see the proposed spec change until it goes out for industry review. Industry is requesting information prior to industry review, need a central point of contact. Tom Malerk to be the contact person for industry, Tom will work with Mike.

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- Fibers for Paving/Slab Replacement (**Shelby**) – Current QPL for fibers for precast. ARS for beam testing of 250 cu yds or less – Shelby. TSP doesn't limit the size of the quantity of concrete – Mike. Mix designs may be transferred with no additional ASR required. Go back and look at TSP for possible update – Mike (load limits, samples @ ready mix facility, jobsite, or ready mix facility facility (lab). Discussed issues with making specimens and testing.

### **Production Facility Aggregate Testing**

- Aggregate testing at the production facility, eliminate or reduce the frequency (**O'Leary/Lorenz**) – Other areas use quarry data. If we have a single source of aggregate then one test. Test per source or reduce the frequency of testing. Per cent of DOT concrete is very small. Brian there is no value in testing the aggregate. There are issues with sampling and testing limits (test frequency). Donald Vanwhervin believes point of use testing is very good. Industry doesn't seem to be having a problem. Look at reducing or eliminating the aggregate testing in materials manual volume II – Mike to look into the possibility.

### **Production Facility Inspections**

- NRMCA (**Bergin**) – National program adopted by Florida, add module for Florida specifications, procedures, and material manuals. Dave Westcott sees no value. Jeff O'Leary – industry wants to move to a performance based specification. CMEC is currently doing some plant inspections for NRMCA certification. Talk with CMEC about the inspection program.

### **Research Issues**

- Research slated for concrete statewide (**Bergin/DeFord/O'Leary**) – Dale DeFord gave a power point presentation discussing the research issues. Tom Malerk to be the point of contact for the research issues. See appendix A for the research presentation.
- RAP in Concrete (**Bergin**) – Moved to next meeting
- Ternary Mixes/Surface Resistivity (**Bergin**) -- Moved to next meeting
- Surface Resistivity sub-committee (**O'Leary**) -- Moved to next meeting
- Mass Concrete Update (**Lawrence**) -- Moved to next meeting

### **Chloride Testing and Reporting**

- Materials Manual Update (**Bergin/O'Leary**) – Dave Westcott gave an update on where industry has been with chloride reporting. Richard gave an update on reporting the data in LIMS. Department is concerned about the reporting turnaround time. Industry prefers to put the chloride data on the delivery ticket. Jeff O'Leary has a problem with the language on the delivery from a legal stand point. In putting data into LIMS will be an additional process for industry. Industry does not track all projects and mix designs currently. A rapid notification of results helps everyone so that fewer projects are affected. Dave Westcott proposed the test report would be submitted to the department by the testing

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laboratory for input into LIMS. GoTo meeting to be held with the labs doing chloride testing. What cost is associated with labs entering data into LIMS? See appendix B for the LIMS presentation. Meeting held March 21st, to establish a training period for Argos and Cemex and their labs to get LIMS access and input chloride data. To meet again in May to discuss progress.

### **Performance Specification**

- Subcommittee to look into developing (O'Leary) – 350 (Pavement) performance based specification is ongoing. 346 is in draft version only (more details to come).

### **BPO Exam/Study Guide Update**

- Update based on input industry and the Department (Nation) – Some questions in the exam are not applicable to the BPO. Points of concern should be sent to Mike, so that it may be reviewed. Because the test is not available, the study guide may be used for review. All exam questions are from the study guide.

### **ASTM C595/AASHTO M240 Type IL Cement**

- Acceptance for use in Section 346 (Constantino) – There is a meeting scheduled with PCA to discuss IL cement. Include the minutes from the PCA meeting with these minutes. Attached you will find the minutes from the FDOT/PCA meeting (Appendix D)

### **Fly Ash and Alternative Sources of Materials**

- Concern over the shortage of fly ash (Dimaggio) – We are working the issue and have alternative materials.
- **Research – University of Florida (Ferraro)** Consideration should be given to the supplier and the end user. See appendix C for the UF presentation.

### **Summary of Meeting**

- Accomplishments and where do we want to go (Bergin) – We will have the draft minutes out in a couple of weeks. Schedule the next meeting in six months.

### **Adjourn!!!!**

Appendix: A – Research Presentation (DeFord)  
B – LIMS Presentation (DeLorenzo)  
C – Minutes from the FDOT/PCA Meeting (Bergin)  
D – Research Presentation U of F (Ferraro)