

MINUTES

SCDOT – PCI Joint Committee Meeting

SCDOT Office of Materials and Research, Columbia SC

November 1, 2012 -1:30 PM

Bener Amado welcomed attendees and called the meeting to order at 1:35 PM. A sign-in sheet was circulated. All attendees introduced themselves.

The following members (or representatives) were present:

SCDOT

Doug McClure	Bridge Construction
Bener Amado	Pre-Construction – RPG-2, Co-Chair
Barry Bowers	Pre-Construction Support
Aly Hussein	Office of Materials and Research, Secretary

PCI

Peter Finsen	Executive Director, Georgia/Carolinas PCI
Reid Castrodale	Carolina Stalite Company, Co-Chair
Jeff White	Prestress of the Carolinas
J.R. Parimuha	Florence Concrete Products, Inc.
Richard Potts	Standard Concrete Products (SCP)

Note: Remove Mike Means from member's list and EM circulation!

USC

Paul Ziehl	Associate Professor
Mohamed El Batanouny	PhD Candidate
Aaron Larosche	PhD Candidate

FHWA

Minutes of Last Meeting

The minutes of May 8, 2012 meeting were reviewed. They were approved as distributed.

The meeting started with a Power Point presentation by Mohamed El Batanouny and Aaron Larosche about “Precast Prestressed Piles Connected to CIP Bent Caps: Development Length and Acoustic Emission.” The research concluded that intensity and energy analysis are easily convertible to seismic loading; intensity analysis captures both yield and ultimate capacities of 3-pile specimen; and energy analysis accurately provides index of damage presentable in percent form.

Old Business

92-13 Strand Slippage in Prestressed Piles

Producers were asked to email the measurements to Aly, including the following:

- Measurements before and after releasing the strands at both ends of the bed.
- The slip (before – after).
- Length of the bed.
- Size of the piles.
- Length of the piles.
- A sketch showing the pattern of releasing strands.

Note: Strands should be released at the same pattern and time at both ends of the bed.

00-1 PCI Bridge Design Manual

PCI has provided 10 electronic and 1 hardcopy of the 2nd Edition of the PCI Bridge Design Manual to the Department. Some have had difficulty in downloading the electronic (Adobe Digital Editions) versions. Peter mentioned that it would be best to contact William Nickas at PCI for directions or issues with the electronic version. Barry will let Peter know who has received download codes for the Manual. Aly received some information on how to download the Manual. Based on wishes of the Department, in the future, Peter will provide electronic versions of PCI manuals.

Note: Barry has indicated the following distribution of the Bridge Manuals: 6 copies to Preconstruction; 2 copies to Materials & Research; 2 copies to Bridge Maintenance.

01-6 *SCDOT Bridge Design Manual*

SCDOT Bridge Design Manual is being updated and will be sent out January 1, 2013 for review. Additionally, seismic and geotechnical manuals are being revised. Peter will send an email to Barry in case the industry needs to look at both seismic and geotechnical manuals.

02-2 *Prefabrication of Bridge Elements for Rapid Construction*

There are 5 small bridges with PC caps and solid PC slabs in Horry County for March 2013 letting. Bener will post the plans for the industry's review. Another project which will use deck bulb tee girders constructed using Type III AASHTO girders for a single span bridge in Newberry County is expected for letting late fall of 2013. The Department anticipates they will get a new bridge list for the next 2 years some time in spring 2013.

02-3 *Self-Compacting Concrete (SCC)*

This item will be removed from the agenda and will be added when needed!

06-2 *Regional Standardization - PCEF*

State specifications vs. regional standardization were discussed. Aly and Jim have looked at the PCI manual and have no comments. Each state will look at the Manual and will compare to its own standard specifications which differ from other states in some details. After review by the states, the PCEF committee will consider whether standardization on a regional basis is possible.

09-1 *Accelerated Bridge Construction Project – A Precast Alternate for Flat Slab Spans*

Barry reported that the Clemson research project has one span with modified NEXT Beam and one span with modified precast slab that may be solid. The research will show a comparison between both and also look at types of grout. The researchers will be asked to make a presentation at the next meeting. The research is expected to be completed by year 2014.

There is also a project with precast approach slabs. The project has been awarded and shop drawings are expected soon.

New Business

12-1 *Tentative Letting List*

Jeff stated that there is not enough information in tentative letting list. NCDOT includes a greater level of detail. Jeff will send an email to Bener with a sample of an NCDOT letting. Bener and Barry will schedule a meeting at the SCDOT Headquarters to discuss and report to the committee by next meeting.

12-2 *Electronic Shop Drawings*

SCDOT seems to be interested in the idea, although Jim was concerned about having to print out the drawings for inspectors. The prestressers indicated that they would be glad to print out the drawings for the inspectors. SCDOT agreed to have further internal discussions on the topic. Jeff will try to get more information from NCDOT about how they handle this.

Next Meeting

The next meeting was scheduled for Thursday, May 9, 2013 at 1:30 PM.

The meeting was adjourned at 4:05 PM.