

## MINUTES

### SCDOT – PCI Joint Committee Meeting

SCDOT Office of Materials and Research

May 5, 2016 – 1:30 PM

Dr. Castrodale welcomed attendees and called the meeting to order at 1:30 PM. A sign-in sheet was circulated.

The following members (or representatives) were present:

#### SCDOT

Bener Amado	Program Manager RPG 2, Co-Chair
Steve Nanny	Structural Engineer RPG 3
John Caver	Structural Engineer RPG 4
Hongfen Li	Preconstruction Support, Policy
David Rister	Bridge Construction
Terry Koon	Structural Design Support
Chad Hawkins	Office of Materials and Research
Jim McCabe	Office of Materials and Research
Aly Hussein	Office of Materials and Research

#### PCI

Reid Castrodale	Castrodale Engineering Consultants, Co-Chair
Peter Finsen	Executive Director, GA/CAROLINAS PCI
Jeff White	Prestress of the Carolinas
Richard Potts	Standard Concrete Products

#### Academia

#### FHWA

Ken Johnson	Structural Engineer
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### Minutes of Last Meeting

The minutes of the November 10, 2015 meeting were approved as submitted.

### Old Business

#### **01-6 *SCDOT Bridge Design Manual***

Nothing significant yet! Hongfen is helping with the seismic training for RPGs. Seismic Manual is almost ready (90%). As for seismic specifications, the provisions of the 6<sup>th</sup> edition of the AASHTO LRFD are still being used, but will be updated to the 7<sup>th</sup> edition.

Peter requested that anything related to prestressed concrete be shared with PCI members.

The Clemson training class in the fall of 2016 was discussed. The class is primarily for SCDOT RPG structural engineers. It is being developed in modules to simplify reuse of the course. PCI expressed interest in reviewing the course and in contributing information regarding fabrication and repairs. Tommy Cousins is the lead developer, with Brandon Ross assisting. Tim Mays is developing the seismic portion of the class and David Taylor, now with Stantec, is developing the material regarding piles. Peter Finsen mentioned that PCI is developing web-based training material for FHWA which may be useful for this course. He agreed to forward information on the PCI courses to SCDOT. Terry will keep in touch with Peter for the details.

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

There was a preconstruction meeting last week for the project that will use the modified NEXT beams. Tekna is the fabricator for the project, Dillinger is the contractor, and the Lafarge product for UHPC will be used. The expected start date is the fall of this year. David or Bener will inform Ken and Aly with the start date. The bridge includes a solid slab at one end, cored slabs for the two longer center spans, and NEXT Beams with modified shear keys at the other end. Terry had sent the plans following the PCEF meeting and they are posted on the G/C PCI website. The UHPC specifications had already been posted following the previous PCEF meeting.

The upcoming symposium on UHPC in Iowa was briefly discussed. One person from SCDOT may attend.

#### **12-1 *Tentative Letting List***

The tentative letting list is now available online. However, Jeff White pointed out that more details, such as bridge length and structure type, are needed. David has talked with Ladd Gibson about the issue and Ladd will get with the project managers. There are no prestressed concrete bridges in the lettings until October 2016.

David Rister mentioned that the SC9 over the Broad River project was coming in October. It would have 4 bridges, one of which is major. He also mentioned that discussions were underway about replacing 400 posted bridges in about 10 years.

#### **12-2 *Electronic Shop Drawings***

Jeff White reported that he successfully did another project with John Caver with limitation to 25 MB. He also used the beam sheet from the plans in the submittal. Digital stamps and signatures were electronically applied to each sheet. It looks like Project Wise will be used for storage and Blue Beam will be used for marking up submittals. It is expected that prestressers will be added to the access list. Project Wise can be used on I-

85 & I-385 in Greenville, SC. There is currently no consistency in-house and John Caver is the guinea pig and others are still watching. RPGs are in the process of developing procedures.

Keep this item on the agenda for future update at the next meeting.

### **Informational Items**

#### ***Prestressed Concrete Bridge Design Seminar***

Suggested topics for the seminar were discussed including:

- Fabrication – how are girders made in the yard?
- Shipping of girders – can the girders be delivered?
- Damage Impact
- Some Rehab
- Prestress Beam Repairs
- Spliced Girders
- Shop drawing submittals
- Carbon strands (check with FDOT and MDOT; look for NCHRP reports)
- Tolerances on bar projections and girder setting – SCDOT details
- ABC update
- Carbon strands

It would be good to talk to Tommy Cousins about the agenda for the Clemson training course first, and then talk to Terry Koons. Terry agreed to send the current agenda for the Clemson training to PCI members.

#### ***Bidder List***

Jeff White asked if it would be possible to get a list of bidders for a project. Without such a list, it is difficult to figure out who is bidding a project. He mentioned that NCDOT posts a bidder list for projects.

#### ***Current RPG Org Chart***

Peter Finsen requested an org chart for RPG personnel.

### **Next Meeting**

The next meeting is scheduled for Thursday, November 10 at 1:30 p.m. at the OMR Conference Room. *This meeting date has been revised to Tuesday, November 22, 2016.*

The next PCEF Committee Meeting is scheduled for Thursday, August 18, 2016 at GADOT Bridge Design, Atlanta, GA.

The meeting was adjourned at 3:25 P.M.