

MINUTES

SCDOT – PCI Joint Committee Meeting

SCDOT Office of Materials and Research, Columbia SC

May 7, 2015 – 1:30 PM

Mr. Bener Amado welcomed attendees and called the meeting to order at about 1:30 PM. A sign-in sheet was circulated.

The following members (or representatives) were present:

SCDOT

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| Bener Amado | Program Manager RPG 2, Co-Chair |
| David Rister | Bridge Construction |
| Chad Hawkins | Office of Materials and Research |

PCI

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| Reid Castrodale | Castrodale Engr. Consultants, Co-Chair |
| Jeff White | Prestress of the Carolinas |
| Richard Potts | Standard Concrete Products |
| J.R. Parimuha | Florence Concrete Products |
| Jason Moore | Tekna |

USC

FHWA

Barry Bowers has moved to a new position as the Structural Lead for Design/Build projects. Terry Koon will take Barry's place as the contact for the committee. Some other personnel changes at SCDOT were mentioned.

Aly Hussein was not able to attend. Chad Hawkins filled in for him. He is getting up to speed regarding concrete – his background is with asphalt.

Peter Finsen was not able to attend because he was in the hospital for pneumonia.

Minutes of Last Meeting

The minutes of the November 13, 2014 meeting were approved as submitted.

Old Business

01-6 *SCDOT Bridge Design Manual*

Nothing to report.

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

The upcoming demonstration project for the modified NEXT beam project was discussed. The project is scheduled for the July letting with construction beginning in September or October. There is only one span of the new girders in the bridge. The lead time required to get the forms manufactured was discussed. It was suggested that contractors be informed that there will be some lead time required for fabrication of forms before the beams can be made. The fabricators suggested that the fastest that beams could be made would probably be in early November. The other 40 ft slab will be a solid slab and the 70 ft spans will be cored slabs. David Rister agreed to send the plans to the members following the meeting [received on May 14]. Details of connections between the units were discussed. Dave Rister thought that a tie rod will be used. Richard Potts suggested that, if UHPC is used between girders, the bond may be sufficient to make the connection and transverse ties may not be required, which would reduce the cost.

There are no other projects currently anticipated using the modified NEXT beams. This section is intended to replace 30 and 40 ft cast-in-place flat slabs. The future potential for longer beams with this section was discussed, including whether for longer spans the standard NEXT Beam section could be used.

12-1 *Tentative Letting List*

Bener Amado reported that the format of the list has been changed and that they are encouraging project managers to include the new data. This item is essentially complete, but not all projects have the new information, so it was agreed to keep this item on the agenda for the next meeting.

12-2 *Electronic Shop Drawings*

Jeff White reported that he had gotten an SCDOT project in York County for which he would like to use electronic submittals, sending the submittal to the contractor and engineer of record. The contractor said that all of his submittals to the engineer have been electronic. David Rister indicated that ProjectWise is being implemented and that eventually, contractors will have access to the system. It has only been implemented in 2 districts. The fabricators have not typically been involved with ProjectWise. They expect that the contractor or engineer would be the one to put their submittal on the system. The fabricators can provide copies of approved shop submittals to the inspectors if necessary. Some issues still need to be worked through in the Department for electronic submittals, especially for the larger submittals for prestressed concrete beams, structural steel and MSE walls.

12-3 *Fabrication from Contract Drawings*

Jeff White reported that he intends to prepare the submittal for his York County project with BT-54s by including the beam details from the contract drawings, just as he would for an NCDOT project. David Rister thinks that as long as all of the information is in the submittal it will be acceptable. He doesn't recall any requirement in their specifications that shop drawings have to be redrawn or that certain information has to be presented in a certain way. It was noted that GDOT won't allow submittal of contract drawings and that they require fabricators to draw their own shop drawings. Jeff indicated that for a typical NCDOT submittal their shop drawing submittal includes a framing plan, elongation & detensioning calculations, end cut details, insert and diaphragm hole locations, and the girder detail sheets from the contract plans.

Other Items

- Chad Hawkins reported that a consultant has specified Type V cement for a project in Jasper County. The consultant has agreed to allow Type I/II cement with some other stipulations. Use of a corrosion inhibiting admixture was considered, but the consultant concluded that it was not required.
- There was brief discussion of the opportunity for a prestressed concrete design seminar. Barry Bowers and Peter Finsen were to have discussed this following the last meeting, but the discussion did not occur until shortly before this meeting, and the training budget had already been submitted. Peter Finsen should continue to follow up with Barry Bowers, although he may delegate it to someone else.

Informational Items

The Department expects to have a pretty much standard bridge construction program in the coming year. There are several projects that are coming up. One project is expected to be 900 ft long with prestressed beams – probably in the June letting.

Jason asked if there were any ways that we can add value to this meeting. None were mentioned.

Out of state travel is not as difficult as it has been in the past. If the cost of the travel is covered by others, it is easier to get approval.

Next Meeting

The next meeting is scheduled for Thursday, November 12, 2015. [Later rescheduled to November 10]

The next PCEF Committee Meeting is scheduled for Thursday, August 20, 2015 at NCDOT.

The meeting was adjourned at 2:30 P.M.