

NC DOT / PCI Meeting Minutes

November 1st, 2006

Attendees – See Attached List

Presentation - A workshop on Accelerated Construction was held the previous day. It was very well received and generated a good bit of interest with the various designers. It was noted that project planning personnel should be exposed to this same information in order to taken full advantage of the various techniques presented. It was also suggested that Division personnel would benefit from this information.

Technical Committee Meeting – There was no Technical Committee meeting. Topics for discussion for future meetings include spliced girder details and girder web-split.

2006 Specifications - A new revision of the Standard Specifications took effect July 1, 2006. However the revision did not include metric units. Since there is still a significant number of metric projects “on the shelf” waiting to be let, there will be a metric edition of the 2006 Specifications published.

Embedded Data Collectors in Prestressed Piles - Scott Hidden of the Geotechnical Engineering Unit gave a presentation on embedded data collectors to be place in 12” prestressed piles. These piles will be used on B-1381 in Sampson County. There will be 2 piles with the collectors and information from them will be compared to information from the PDA used on other piles.

PCI Plant Certification - A proposed Project Special Provision requiring PCI Plant Certification was distributed for comment from the industry. The industry will get those comments back by December 1st. The revised provision will then be presented to the AGC Structures Sub-Committee on December 18th.

Future Projects - Projects with significant amounts of prestressed concrete were discussed:

Oak Island - Scheduled for the December letting but will probably be pushed back. The bridge is 5 spans: 2 end spans of modified bulb-tees and a 3-span spliced haunched girder unit.

Craven County Bascule Bridge. - Scheduled for the January letting. This bridge on the edge of downtown New Bern will have prestressed girder approaches.

Sunset Beach – Scheduled for the April letting. This bridge will also have a 3 span spliced haunched girder unit with Type IV approaches.

It was also noted that the North Carolina Toll Authority is planning a design-build project for the Western Wake Expressway. It will probably be let sometime in the fall and will include multiple bridges. The Authority is also considering design-build projects for the Monroe Bypass and the Northern Currituck Sound Bridge.

Oak Island Bridge - It was noted that the Oak Island bridge will require 9,000 PSI concrete for the 3 span spliced unit. The approach spans will require 5500 PSI concrete. If the industry has any comments on this or any other aspect of the bridge, contact Brian Hanks in Structure Design within the next week.

PCI Conference - The annual PCI / National Bridge Conference was held October 23-25 in Grapevine Texas. The Georgia/Carolinas PCI sponsored 4 NC DOT attendees. The Department expressed thanks to Peter. It was a very informative event and many good contacts were made, both with other DOT's and within the industry. As a result of attending the conference, it was noted that there will be a new quarterly publication from PCI focusing on the bridge industry similar to the current *Ascent* publication. It was also noted that it would be good to get some participation from area universities in the Big Beam Competition. Next year's conference will be held October 21 – 24 in Phoenix AZ.

Precast Barrier Rail - The Department is interested in possible designs for precast bridge barrier rail. Precasting barrier rail would greatly accelerate bridge construction schedules. The industry was asked for any input or possible designs they may have.

Bonner Bridge. - There is nothing new to report. Debate continues between the short and long options. No decision has been made yet, but it appears that it is leaning toward the short option.

Future Meetings - March 21, 2007

July 18, 2007

November 14, 2007

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