

# NC DOT / PCI Meeting Minutes

August 17, 2005

Attendees – See Attached List

**Presentation** – Richard Potts and Trudy Mullins gave a presentation on the Deck Bulb-Tee Girders for the Stanly County project. There were very few problems with the fabrication of the girders and things went smoothly at the job site also. The Department has no immediate plans to use this type of girder again.

**Future Projects** - Upcoming large projects include:

Sunset Beach            Dec. 06            Consultant Design

Oak Island                June 06            In-house Design

Washington Bypass: Design/Build Project with a 3-mile bridge on new location.  
Project will be available for design in about 6 months with  
construction starting in about 18 months.

**Box Beams** - There are new details for box beams. The transverse post-tension stands are now on the skew.

**Minutes from the May 18<sup>th</sup> Meeting** – Holes will be allowed in the voids in box beams for concrete vibration.

**Technical Committee Meeting** – A meeting of the Technical Committee was not held. The next meeting will be October 5<sup>th</sup> at 2:00 PM at Structure Design. However, some items were referred to the Committee:

Acute Corner Cracking and Spalling of Cored Slabs  
Web Splitting Repairs  
Girder Deflections  
Number of Strands in Cored Slabs

**PCI Plant Certification** – M&T is still reviewing requiring PCI Plant Certification. Trudy will attend a couple of PCI plant audits next week

**Hauling Permits** – The industry is still having problems with obtaining hauling permits. The main problem is not being able to get answers or consistent answers from the Permits Units. Ron Hancock and Greg Perfetti will address this with the Permits and Bridge Maintenance Units.

**Self-Consolidating Concrete** - The Department is very close to a final specification. The Department would like to review Dr. Zia's research first. Dr. Zia's Research will be out for comment very soon and the industry will have a chance to comment through Peter.

**Self-Consolidating Concrete Conference** - There will be a conference on self consolidating concrete (SCC) held in Charlotte in late November or early December. North Carolina, South Carolina and Georgia DOT's will participate along with industry representatives. The conference will focus on the practical applications and uses of SCC with the main emphasis of sharing research and experience.

**Steel Diaphragms** - Structure Design will finalize and send out the details for steel diaphragms on AASHTO girders soon.

**PCI Conference** - The National PCI Conference will be held in Palm Spring, California on October 14 –19. The Georgia-Carolinas PCI is willing to sponsor a few Department employees but due to ongoing travel restrictions attendance by NC DOT will not be possible.

**Void Configuration in Cored Slabs** - It was asked if Bridge Maintenance could detail 12-inch voids in their exterior cored slabs instead of the 10-inch they current detail. It was felt that the 10 inch voids were needed to accommodate the #8 bars for the barrier rails. Bridge Maintenance will be asked to review their design.

**Next Meeting** – Wednesday, February 15<sup>th</sup>, 2006 at 1:30 in the Material and Tests Conference Room

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