

NC DOT / PCI Meeting Minutes

February 15, 2006

Attendees – See Attached List

Presentation

Research - Inserts for Overhang Falsework – Dr. Emmett Sumner from NCSU, presented preliminary results of his research on the load capacities of the various inserts being used by contractors on bulb-tee girders on NC DOT projects. His findings indicate that the hangers are not achieving the loads expected and closer spacings and/or insert redesigns or probably necessary.

Technical Committee Meeting – The minutes from the January 25th, 2006, Technical Committee Meeting were distributed.

PCI Plant Certification - The Department will require all prestressed concrete plants producing for NC DOT to be PCI Certified in the appropriate category. The details have not been worked out but it will include some kind of spot checks by the Department to ensure the producers are following their approved QC/QA Programs. The Department also needs to decide how to handle a prestressed yard set up by a contractor on the project site.

Rapid/Accelerated Construction Seminar - PCI will partner with NC DOT on a workshop on Rapid/Accelerated construction methods. The seminar is set for November 1st, 2006 at the McKimmon Center. The PCI meeting has been changed to the next morning to accommodate everyone's schedule

Hauling Permits - Construction & Design met with the Permit Unit to explain the problems the industry is having. The Permit Unit understands but they are processing 1000 permits a day. The 135-foot rule is not hard & fast – there is some room for negotiation. Weight is dependent on axle configuration. Producers are encouraged to submit “dummy” permits well in advance of the actual haul to iron out any problems. A brochure was distributed to help explain the permit process.

Future Projects

Washington Bypass - Design-build project let to Flatiron United. Currently under design.

Design Build Projects Currently Advertised - Long Shoals Road (Asheville, R-2813B), Craven County Railroad Bridges (R-4463B), Davie County (B-3637 & B-3835)

Oak Island - Tentatively December 2006. Florida 78-inch bulb-tees with a three section spliced main span.

Sunset Beach - Early 2007. 20 spans of bulb tees.

Release Strength - The Industry wants release strengths as low as possible. This is Structure Design policy. Structure Design indicated that in some cases the release strength is actually the controlling strength.

Garvee Bonds - The Department has decided to hold off on Garvee bonds for the time being.

Federal Funds - FHWA is still trying to figure out the latest highway funding bill.

ACI Conference - There is an ACI Conference in Charlotte March 26-30. A brochure was distributed and everyone was encourage to attend.

Barrier Rail Steel - The Industry asked if all S3 bars on all cored slab and box beam projects could be detailed the same way. Structure Design will investigate.

Rebar Bend Tolerances - The Industry indicated they are having problem with bend tolerances on some of the rebar. The only thing the Department can do is check the bars against the CRSI tolerances. If the producer wants tighter tolerances, that is between them and the rebar fabricator.

Girders Ends - The Industry asked if whenever possible, could at least one end of each girder be square to the girder. Canting both ends of a girder on grade bring up numerous layout and dimensional issues. Structure Design will investigate.

Next Meetings - June 21, 2006 1:30 PM
November 2, 2006, 9:00 AM

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