

ACEC/NCDOT BRIDGE SUBCOMMITTEE



Minutes of May 5, 2012 Meeting
Structure Design Conference Room C, 10:00 am

Attendees

Greg Perfetti – NCDOT Structure Management Unit (Co-Chair)
Allen Raynor – NCDOT Structure Management Unit
Lonnie Brooks – NCDOT Structure Management Unit
Paul Garrett – NCDOT Structure Management Unit
Eddie Wetherill – Wetherill Engineering
Morris Israelnaim – MI Engineering
Liz Phipps – KCI (Co-Chair)
Paul Barber – HNTB
Tom Harris – Wilbur Smith
Joe Kelvington - Stantec

- 1) **Review of Previous Meeting Minutes** - Minutes of the February 6, 2012 meeting were reviewed and accepted.
- 2) **Bridge Design Workshop Series** – future topics were discussed.
 - a) Feedback on the April 4th Workshop – Structural Challenges on the 1st Turnpike in NC with David Peterson as the speaker. Comments were well received. Had about 45 people attend the workshop.
 - b) Potential Topics from Survey for next Luncheon Seminar –
 - i) **Predicting Camber for Prestressed Concrete Members** research project – Allen Raynor will contact Dr. Sami Rizkalla to give a presentation on the research results. Possible fall topic
 - ii) **Geotechnical and Bridge Engineers collaborate to pile design** – Morris Israelnaim will contact Chris Kreider for Operations and Jamey Batts for NCDOT Design on discussing the relationship with the length of 30” square pile due to scour, constructability software used, and design concept used to result in a cost effective product. Liz to contact Tia Jones to confirm dates for July.
 - iii) **Hydraulic Sizing & Scour** – Possible alternate topic for July.
 - iv) **LRFR Pipes and Culverts** – Possible winter topic.
- 3) **Training Opportunities** –
 - i) NCDOT is hosting a 2 week NBIS course for late summer.
 - ii) NCDOT is hosting Fracture Critical Training in June. Course is full.
 - iii) KCI will host 3 day NBIS refresher for June 27-29, to be held at KCI office, 4601 Six Forks Road, Raleigh. 4 seats are remaining.
- 4) **Structure Policy Memos** – Allen Raynor presented overview of recent changes.
 - i) Precast Box Culverts, February 10, 2012
 - ii) Design Manual Revisions (Chapters 1 & 7), February 17, 2012
 - iii) Updated TVA Submittal Guidelines, May 1, 2012

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5) Anticipated PEF Advertisements

- i) R-2413A – 7 bridges
- ii) R-2413B – 2 bridges
- iii) U2579B – 18 bridges – not sure of delivery method, possibly design build
- iv) U2525B – 9 bridges
- v) 13 more divisions for the express design build bridge replacements.
- vi) R2519B – 6 bridges
- vii) I914A&B – 4 bridges each

6) Technical Discussions –

- a) New 42” Railing – Should use 42” barrier whether the project is FHWA funded or not. This is an OSHA requirement. Currently 42” barrier is approved for the flat faced rail and is awaiting approval from FHWA for the Type F (Jersey) shape.
- b) QA/QC Policies will be implemented soon.

7) Future Meetings – 10:00 am Structure Design Conference Room C (unless otherwise indicated)

- i) August 6, 2012 –
2012 new committee members – Joe Kelvington (New Co-chair)
Michael Craig –WSP Sells
Dominic Coletti – HDR
- ii) November 5, 2012
- iii) February 4, 2012