ACEC-DOT BRIDGE SUBCOMMITTEE

Minutes of August 2, 2004 Meeting

Attendees:

Greg Perfetti, NCDOT (Co-Chair)
Allen Raynor, NCDOT
Lonnie Brooks, NCDOT
Tim Rountree, RWA
Tom Tallman, WSA
Chris Glass, McKim and Creed (Co-Chair)
Kevin Austin, BHME
David Ruggles, Stewart Engineering
Eddie Wetherill, Wetherill & Associates

I. Welcome for New Co-chair, new Subcommittee members

Allen Raynor welcomed Chris Glass as the new ACEC Co-Chair for the next year. Chris welcomed Tim Rountree and Tom Tallman as new members to the sub-committee

II. New FHWA Division Bridge Engineer

Allen announced that Thomas (Tom) Drda has accepted the position as the FHWA Division Bridge Engineer in North Carolina. Tom was the Assistant Division Bridge Engineer in Pennsylvania prior to coming to North Carolina

III. Update on Joint ACEC-NCDOT Conference (October)

The dates for the Joint Fall Conference will be October 26th (half day) and October 27th.

IV. LRFD

Allen said that Structure Design has ordered the 3rd Edition of the AASHTO LRFD Design Specifications for all of the in-house designers. The Unit is only getting hard copies of the U.S. Customary Unit version and will rely on a CD ROM version for Metric Conversions. Greg Perfetti asked the private firm members if they had considered using a multi user CD ROM version for their staff. The Structure Design Manual will likely link to a network version at some time in the future.

V. Joint Training Opportunities

Allen mentioned the success of the recent Steel bridge Forum co sponsored by NCDOT and the NSBA. Comments were favorable about the information received at the training session. Allen mentioned that the joint PCI-DOT Seminar will be held in November, tentatively scheduled for Wednesday November 17th 2004 at McKimmon Center. Allen also mentioned that FHWA was developing several LRFD related courses (through NHI) and the target date for those was later this fall.

VI. Bridge Policy Changes

Allen stated that there were several policy memos' that had been issued since the last meeting:

Update of box beam standards - Engineering Development is still finalizing standard drawings for use by designers. The Department has a couple of projects utilizing box beams advertised for bids.

Mechanical Coupler Detail – Revises the vertical offsets for mechanical splice couplers

Bridge Drainage System - revises the structure drainage system detail to eliminate the use of tee joints

Oversized Blockout for Utilities Passing Through the Backwall - requires holes for utilities running through backwalls to be 4" larger in Diameter than the pipe and the remaining space around the pipe to be filled with joint filler material per the Standard Specifications.

All of these memos are available on the Structure Design Web Page at:

http://www.doh.dot.state.nc.us/preconstruct/highway/structur/polmemo/oldmemo.htm

VII. Design Build Unit and Status of upcoming Design-Bid-Build/Design-Build

Rodger Rochelle is the new State Alternate Delivery Systems Engineer whose unit will oversee the handling of design build projects. Design build Information is available on the Project services Unit Web page at**:**

http://www.doh.dot.state.nc.us/preconstruct/highway/dsn_srvc/contracts/design_build/

As far as Design/Bid/Build projects, there are no projects coming up in the near future to be advertised.

VIII. IBRC Projects

Allen stated that the Department has requested funding from FHWA on two IBRC projects. The first is a project using HPS 100W steel in a hybrid girder configuration. The other is a Deck Bulb Tee girder configuration.

IX. Other

Lump Sum Bridges: Structure design is letting Cored slab bridges with off-site detours as lump sum contracts. If successful this may expand to include other types of bridges.

Cored Slab bridge drainage system – Lonnie asked if any of the committee members had run across a good closed drainage system detail for cored slab bridges

X. Next Meeting

The next bridge subcommittee meeting will be on **Monday November 1, 2004** at 9:00 a.m. .in Structure design Conference Room B