

## ACEC/NCDOT BRIDGE SUBCOMMITTEE

Minutes of August 5, 2013 Meeting  
Structure Design Conference Room C, 10:00 am



### **Attendees**

Greg Perfetti – NCDOT Structures Management Unit (Co-Chair)  
Allen Raynor – NCDOT Structures Management Unit  
Kevin Fischer – NCDOT Structures Management Unit  
David Stark – NCDOT Structures Management Unit  
David Stutts – NCDOT Structures Management Unit  
Tom Harris – Parsons (Co-Chair)  
Eddie Wetherill - WEI  
Michael Craig – WSP Sells  
Domenic Coletti – HDR  
Paul Jacob – Stewart  
Matt Payne – Atkins

### **1) Welcome New Members**

New members welcomed to the bridge subcommittee were Matt Payne of Atkins and Paul Jacob of Stewart Engineering. Their terms will end in 2016.

- 2) Review of Previous Meeting Minutes** - Minutes of the May 6, 2013 meeting were reviewed. It was agreed the minutes would be revised to indicate NCDOT typically does not consider torsion effects in cap designs.

### **3) Bridge Design Workshop Series**

Next workshops will be on Accelerated Bridge Construction in NC (September 4, 2013) and the Albemarle Bridge Corrosion Study (November 6, 2013). The September 4 workshop will be at the Rural Center but alternate sites may need to be considered for future workshops.

The committee reviewed a list of potential topics for bridge workshops that Domenic Coletti compiled. The committee identified Element Based Bridge Inspection and Bridge Rehabilitation as two likely topics for the first half of 2014. The updated list of potential topics is included with the meeting minutes.

### **4) Training Opportunities –**

Michael Craig mentioned the FHWA Bridge Maintenance Training Seminar October 1-4 in Charlotte and the FHWA Bridge Inspection Refresher Training in Cary. A handout for both classes is attached.

NCDOT is working with Georgia/Carolinas PCI on a date and format for a 1 day training seminar.



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**5) Anticipated PEF Advertisements**

NCDOT is still working through the list of projects to be assigned under LSA's. The following list is what is scheduled to go next as on-call task order assignments:

- a) R-2250 Greenville Bypass (although this project is likely to go design-build)

Note: This project is on the list of Anticipated Design-Build projects distributed by the Design-Build Joint Subcommittee on August 7

- b) R-1015

Lettings after June 2015 are subject to change because of the new Strategic Mobility Fund.

Recent LSA advertisement was for design and inspection since Structures is now one unit. Current LSA's for bridge inspection will be utilized for the next year.

**6) Technical Discussion**

Allen Raynor briefly summarized the revisions to the standard drawings and design manual figures dated June 27, 2013. The standard drawings were revised to incorporate the 42" concrete barrier rail and the policy change which increased the allowable load on elastomeric bearing pads. The standard drawings for overhang falsework have been removed and a new standard has been incorporated into the special provisions.

Design manual figures were revised to clarify calculation of the rail height with asphalt wearing surface, updated Tmax for joint openings to be consistent with Fig.6-43 and clarify calculation of curb height on the approach slab.

Paul Jacob asked if a file containing all the current design manual figures could be placed on the website for downloading.

**7) Other Topics**

No topics of discussion were brought forward at this meeting.

**8) Future Meetings – 10:00 am Structure Design Conference Room C (unless otherwise directed; Allen is going to check on the availability of the conference room)**

- i) November 4, 2013
- ii) February 3, 2014
- iii) May 5, 2014

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- iv) August 4, 2014
- v) November 3, 2014