

Minutes of September 14, 2009 Meeting
Structure Design Conference Room C, 10:30 am

Attendees

Jim Barcomb – URS
Lonnie Brooks – NCDOT Structure Design Unit
Jason Doughty – PB
Dan Holderman – NCDOT Bridge Management Unit
Morris Israelnaim – MI Engineering
John McDonald - KCI
Gichuru Muchane – NCDOT Structure Design Unit
Greg Perfetti – Co-chair, NCDOT Structure Design Unit
David Peterson – Co-chair, RK&K
Hardy Willis – Vaughn and Melton

- 1) **Reviews of Previous Meeting Minutes** – Minutes of the May 11, 2009, meeting were reviewed. Under 7c, “the LRFR standard drawings have been updated for the latest AASHTO trucks” should read “NC Legal Loads”. This will be corrected on the web site.

- 2) **Bridge Design Workshop Series** –Future topics were discussed based on the results of the questionnaire. Eight workshop topics were suggested:
 - a. Geotech PDA Test Results
 - b. LRFR Load Ratings
 - c. Vessel Collision/Fender Design
 - d. Hydraulic Bridge Lengths & Scour
 - e. Coastal Wave storm surge study
 - f. LIDAR Survey Technology
 - g. Sunset Beach & Oak Island Projects
 - h. AASHTO Domestic & International scans

The 4th Quarter of 2009 is the time frame for the next workshop. Peterson will contact Mike Knott about topic c. Perfetti will ask the Geotechnical Unit whether enough PDA test results have been collected to warrant a session.

- 3) **Transformation Update** – Mr. Holderman commented that the training on the Division Managed Model for bridge replacement projects had been given. The goal is to reduce the delivery time to about a year. Some Divisions may not be as successful with this model due to permitting needs or agency coordination.

Mr. Perfetti noted that the Highway Design Branch had 55 field positions eliminated- 9 in Structures, 17 in Roadway, 12 in Hydraulics.

- 4) **Training Opportunities** – No future opportunities were identified.

ACEC/NCDOT BRIDGE SUBCOMMITTEE



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5) **Structure Policy Memos** – Muchane gave an overview of three recently issued policy memos:

June 18, 2009	Drilled Pier Construction Joints
August 21, 2009	LRFR Load Factors
September 9, 2009	Corrosion Protection for Steel Piles

6) **Anticipated PEF Advertisements** – If current lettings remain as scheduled, Brooks stated that Structure Design would likely advertise one or two multiple bridge projects in 2010.

7) **Technical Discussion**

- a. **LRFR Standard Drawings**– The LRFR Summary Sheet is intended to be for the entire bridge not just one girder. The controlling load rating refers to the Lowest Rating Factor. Use the comment column to locate the controlling girder.

8) **Next Meetings** – 10:30am Monday, November 2, 2009
10:30am Monday, February 1, 2010
10:30am Monday, May 3, 2010