

## ACEC/NCDOT BRIDGE SUBCOMMITTEE



Minutes of November 7, 2011 Meeting  
Structure Design Conference Room C, 10:00 am

### Attendees

Greg Perfetti – NCDOT Structure Design Unit (Co-Chair)  
Allen Raynor – NCDOT Structure Design Unit  
Lonnie Brooks – NCDOT Structure Design 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 August 1<sup>st</sup> 2011 meeting were reviewed and accepted.
- 2) **Bridge Design Workshop Series** – future topics were discussed.
  - a) Feedback on October 27<sup>th</sup> Steel Girder Software comparison Workshop – Liz Phipps to distribute surveys via email through Tia Jones, ACEC.
  - b) Potential Topics from Survey for next Luncheon Seminar –
    - i) **Design Build Effects on Span Length and Girder Spacing** – Liz Phipps to discuss Design Build with David Peterson of RK&K.
    - ii) **Predicting Camber for Prestressed Concrete Members** research project – Allen Raynor will contact the graduate research assistant, Tyler Storm, to give a presentation of the research results. (Tyler has agreed to speak pending his availability)
- 3) **Training Opportunities** –
  - i) Greg Perfetti said NHI is working on a NBIS refresher course on Element Based criteria. Some states are holding the pilot courses. NCDOT might consider hosting one later in the year.
- 4) **Structure Policy Memos** – Allen Raynor presented overview of recent changes.
  - i) LRFD Culvert Design and Rating, August 12, 2011
  - ii) Distribution Factor and Method of Analysis, September 27, 2011
  - iii) ADT criterion for Sub-regional Tier bridge type, October 3, 2011
  - iv) LRFD Seismic Design, October 24, 2011
  - v) Lateral Bracing of Long-Span Steel Girders, October 31, 2011
- 5) **Anticipated PEF Advertisements**
  - i) ~~Possibly~~ U-0071 – project

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Future projects will be contracted out to private engineering firms using a mix of on-call, limited services, and regularly advertised contracts

**6) Technical Discussions –**

i) Bridge over Railroads

- (1) Do not show ditches or future tracks in the section through rail just provide the necessary lateral clearance to accommodate.
- (2) Show dimension from the catch point on the end slopes to the centerline track in the “Section Thru Railroad”
- (3) Horizontal clearance should be shown on the plan view only
- (4) Extend dash line for slope protection to show theoretical catch point if the slope protection ends above the ditch.

ii) 42” rail height standards coming soon.

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

- i) February 6, 2012
- ii) May 7, 2012
- iii) August 6, 2012