

**ASCE-INDOT
STRUCTURAL SUBCOMMITTEE
MEETING NO. 56 MINUTES
August 9, 2012**

The meeting was called to order at 9:05 a.m. by Anne Rearick. Those in attendance were:

Randy Strain	INDOT, Structural Services
Anne Rearick	INDOT, Structural Services
Elizabeth Phillips	INDOT, Structural Services
Naveed Burki	INDOT, Structural Services
Merril Dougherty	INDOT, Program Development
Tom Harris	INDOT, Construction Management
Celeste Spaans	Prestress Services, Inc.
Mike Wenning	American Structurepoint, Inc.
Burleigh Law	HNTB Corp.
Mike McCool	Beam Longest & Neff, LLC.
Troy Jessop	R. W. Armstrong
Mike Halterman	USI Consultants, Inc.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.

In addition to the attendees, these minutes will be sent to the following:

Keith Hoernschmeyer	Federal Highway Administration
Jason Yeager	Gohmann Asphalt Company
Jim Reilman	INDOT, Construction Management

A meeting agenda had previously been distributed and the following items were discussed:

1. The May 31, 2012, meeting minutes were approved as written, and have been placed on the INDOT website.
2. It was decided that INDOT would like to update their specifications on PTFE plates used with elastomeric bearings. They may also want to add some direction to designers in the Design Manual. A task committee consisting of Mike Wenning* and Mike Eichenauer has been asked to investigate this and report back to the committee. Kenny Anderson will be included for input and material. Possible additions could include circular pads and recessed PTFE plates. A Florida DOT example was recommended and Mike McCool will provide an additional example.
3. Troy Jessop*, Celeste Spaans and Randy Strain were asked to investigate whether elastomeric bearing pads need to be vulcanized to shim plates to keep the bearing assembly from "walking" and report back at the next meeting.
4. It was decided in previous meetings to modify the pavement ledge for the R.C. Bridge Approach from 6" to 9" width and the minimum integral end bent width from 2'-6" to 3'-0" but this was never carried through to the standards. Elizabeth Phillips received the information and will incorporate the information for review by the Standards Committee. Mike McCool will provide details from the past meetings to Elizabeth.

5. On R.C. Bridge Approaches, the hook on the top bar was determined to be unnecessary. **Burleigh Law***, Mike Halterman and Jim Reilman will work to bring revise details back to the committee at the next meeting.
6. Prestressed beam notches are discouraged in NCHRP 654. Although blockouts for flanges are not a problem, notches in webs always produce cracks. Some notches may be made by engineers trying to avoid the angled #6 bar shown in IDM Fig. 409-3A and others. **Troy Jessop** will investigate revising the details to show that the beam notch should not be the designers' first choice.
7. INDOT would like to develop a standard beam detail sheet to be used in the plans similar to that used by Kentucky and other states. This will help make fabrication more uniform and reduce errors. Bu **Burleigh Law***, Elizabeth Phillips, Mike McCool and Anne Rearick will work to develop these sheets.
8. When designing negative moment steel for prestressed concrete bridges the effects of the non-composite moments should not be included when calculating the bar cut-off locations.
9. The committee would like to collect and share practice pointers dealing with commonly used design programs. Any known issues and their work-arounds should be sent to **Mike McCool**. Burleigh Law and Elizabeth Phillips will help compile and distribute the items.
10. The committee reviewed the ratings and comments from the 2012 Bridge Conference. Overall the ratings were good and the engineering community seems to appreciate the effort. In the future we will make the following changes.
 - a. The conference will be moved to September 2013 to avoid summer vacations. Anne Rearick will check on available dates for the conference room.
 - b. Anne will see if it is possible to tape the proceedings for those who cannot attend.
 - c. Standardized printouts for the PowerPoint presentations will be set at 2 slides per page to make them more readable.
 - d. An updated evaluation form will be developed by **Mike Wenning**
11. The committee's future charge will include addressing changes in the AASHTO Bridge Design Manual, and addressing issues that come up with the INDOT Design Manual, Standards and Specifications. These will be standing items on future agendas.
12. INDOT has modified its standard drawings to include unique bar numbers for all reinforcing. Bars are now called out with a 4 digit number to keep them separate from bars in the plans which should use a 3 digit number.
13. Stay-in-place metal form attachments need to be detailed in the plans since the ½" maximum projection of the support angle into the deck is only shown in the IDM and not the Standard Drawings. **Elizabeth Phillips** will check to see if 702.13(e) of the standard specifications could be modified to include this provision.
14. Steel Diaphragm details need to be updated to include Hybrid Girders. Mike McCool will provide **Elisabeth Phillips** with the information previously done by the committee.

* indicates the person primarily responsible for the activity.

The next meeting for the INDOT Structural Committee is scheduled for 9:00 a.m. on November 8, 2012, in room N642. Mike McCool will distribute an agenda prior to the meeting.

This meeting was adjourned at 11:15 a.m.

Respectfully submitted,
American Structurepoint, Inc.

A handwritten signature in black ink, appearing to read "Michael Wenning", with a stylized flourish at the end.

Michael Wenning, P.E.
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Attachments