

ASCE – INDOT STRUCTURAL COMMITTEE
MEETING NO. 66 MINUTES

January 22, 2015 10:00 am, INDOT Room N642

The meeting was called to order at 10:00 a.m. by Anne Rearick. Those in attendance were:

Anne Rearick	INDOT, Bridge Division
Naveed Burki	INDOT, Bridge Division
Jeremy Hunter	INDOT
Stephanie Wagner	INDOT, Bridge Division
Elizabeth Phillips	INDOT, Bridge Division
Mike Wenning	GAI Consultants, Inc.
Mike McCool	Beam Longest & Neff, LLC.
Seth Schickel	HNTB Corp.
Kurt Heidenreich	Engineering Resources, Inc.
Ben Borcherding	American Structurepoint, Inc.
Mike Halterman	USI Consultants, Inc.
Pete White	CHA, Inc.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.
Jason Yeager	Gohmann Asphalt Company
Keith Hoernschmeyer	Federal Highway Administration

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

Greg Pankow	INDOT, Construction Management
Celeste Spaans	Prestress Services, Inc.
Burleigh Law	HNTB Corp.
Tony Zander	INDOT, Highway Management Division
Jim Reilman	INDOT, Construction Management
Mahmoud Hailat	INDOT, Bridge Division

- 1) INDOT Bridge Design Conference Draft Agenda (McCool) (attached)
 - a) Mr. McCool will post pdfs of the PowerPoint presentations.
- 2) PTFE Design Requirement (Eichenauer, McCool)
 - a) Kenny Anderson said to look at CalTrans information
 - b) CalTrans recesses the PTFE plate in the top plate so they don't creep.
 - c) Since PTFE has higher bearing strength it can be smaller than top plate.
 - d) Don't allow lubricated PTFE so they don't need to be maintained.
 - e) Mr. Eichenauer will draft changes to IDM and 915.015 specifications.
- 3) Bearing Assembly Details (White, Eichenauer)
 - a) Revisions to the IDM have been approved.
 - b) Also need to revise Fig. 409-7F and send to committee for review.

- 4) Concrete mix designs (Heidenreich, Law, Zander, Burki)
 - a) Table discussion on internally cured concrete until Mr. Heidenreich can develop a project and learn the procedures.
 - b) Test methods and who is capable of performing them seems to vary by project.
- 5) Prestressed Beam Notching (White, Halterman)
 - a) Attachments were approved and recommended to Ms. Phillips.
- 6) Standard Beam Detail Sheets (Phillips, Law) (update)
 - a) Ms. Phillips has received internal comments but still wants to standardize the general notes.
 - b) These sheets are available to any consultant who wants to make use of them.
- 7) Software Practice Pointers (McCool, Hailat) (attached)
 - a) This document will be posted on INDOT's web site.
 - b) This is intended to be a living document so additional comments will be continuously collected and the document updated periodically.
- 8) Prestressed Beam Camber (Heidenreich, McCool, Hailat, Halterman, Spaans)
 - a) There will be a PCI article in the Spring 2015 issue of Aspire. Discussion was postponed until this is available.
- 9) Prestressed Beam Shipping Strands (Heidenreich, Hailat, Halterman, Spaans)
 - a) This item is complete.
- 10) Asymmetrical Barriers (White, Wenning, Law)
 - a) Mr. White will develop a list of criteria to be considered. i.e. HMA vs. Concrete adjacent to base.
 - b) Subcommittee will develop the design criteria.
- 11) Continuity of Prestress Concrete Beams (Heidenreich, Phillips)
 - a) There will be a PCI article in the Spring 2015 issue of Aspire. Discussion was postponed until this is available.
- 12) Law Email (Law)
 - a) Ms. Phillips is addressing this internally. She will develop a list of items the Committee can help her with.
- 13) Mechanically spliced reinforcing bars greater than 60 ksi (Burki, McCool)
 - a) 75 ksi reinforcing used on some design-build jobs. Current splice must be 1.5 Fy per 910.01. Can't meet this criteria at higher yield strengths.
 - b) Take this question to AASHTO or CRSI.
 - c) Any changes will affect the approved materials list.

14) New Business

- a) Do we need a life cycle cost analysis for prestressed concrete vs. unpainted steel bridges?
 - i) Ms. Wagner will seek to clarify the IDM requirements.
- b) Overlay dams are not used consistently.
 - i) Does hydrodemolition eliminate the need for these?
 - ii) Is this still a separate pay item when used with hydrodemolition?
 - iii) Ms. Wagner will check to see if there is any problem when these are not used.
- c) Microsilica Concrete Overlay (Wagner, Hunter, McCool, Heidenreich)
 - i) Not currently supported by INDOT. Problems seemed to be with the curing. Now evaporation retardant is required which may solve this problem.
 - ii) There is only one LMC supplier in the state.
 - iii) Polyester Concrete successfully used by CalTrans.

The next meeting for the INDOT Structural Committee is scheduled for 10:00 a.m. on May 7, 2015, in room N642. Mike McCool will distribute an agenda prior to the meeting. This meeting was adjourned at 11:30 a.m.

Respectfully submitted,



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