

ASCE-INDOT
Structural Subcommittee
Meeting No. 35 Minutes
February 8, 2007

Meeting was called to order at 9:10 A.M. at the INDOT room N642 conference room.

Those in attendance were:

Hoernschmeyer, Keith	FHWA, Bridge Engineer
Klevitsky, Greg	INDOT, Bridge Engineering
McCaslin, Ron	INDOT, Bridge Engineering
McCool, Mike	Beam, Longest & Neff, Inc.
Obergfell, Mike	USI Consultants, Inc.
Rearick, Anne	INDOT, Structural Services
Reilman, Jim	INDOT, Construction
Uremovich, Tony	INDOT, Standards
Wenning, Mike	American Structurepoint, Inc.
Yeager, Jason	Gohman Asphalt Co.

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

Burki, Naveed	INDOT, Bridge Engineering
Dittrich, Bill	INDOT, Program Development
Frosch, Robert	Purdue University
Hill, Chris	Prestress Services
O'Connor, Dick	RQAW Corporation
Snyder, George	INDOT, Bridge Rehab
Walker, Tom	Butler, Fairman & Seufert, Inc.
Weintraut, Stephen	Butler, Fairman & Seufert, Inc.
Zander, Tony	INDOT, M&T

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

1. Review and approve Minutes of Meeting No.34

The "Minutes" of previous meeting was corrected to reflect Mike McCool as being present. The document was approved.

2. Revised Integral End Bent Design Standards – Revised Skew / Length Requirements

After brief discussion about the bridge length limitation (250'- ?, 500' -?), decided to re-send this to Structural Committee for a review. Possibly, revisit this topic on next meeting.

3. New Semi-Integral Structure Details – New Standards - & New Skew / Length Requirements

Tony U. updated on neoprene sheeting: fasteners to keep the material in place temporarily during backfill. What materials are the fasteners should be made of?

Mike McCool will try to find out what other states use.

Self-adhesive materials are already being used for Conspans and 3-sided culvert (per Jason Y.) – need to check with Contech about the materials they use.

We need to protect concrete from damaging and not to expose the rebars, and shall see fasteners behind the neoprene.

4. Coated Chairs and Tie-Wires

Jason Y. said the chairs are already epoxy coated nowadays.

As far as ties – why do we need them coated? Is it worth it?

More research is needed.

5. Semi-Light Weight Concrete Specification Update

Skipped

6. Concrete Approach Slab Connection to End Bent Detail

Jason Y. reported on Kentucky and Illinois practices and emphasized that KY doesn't use approach slabs normally; and if they sometimes do, they do not tie the approach slab with the bent.

The attendees had discussed the following aspects:

- increase the Pavement Ledge width to 9"
- use wider End Bent (3'-0 min)
- extend Constr. Jt. to 4" (min.) above the Pavement Ledge
- level vs. crowned Pavement Ledge – use level if crown does not exceed 2", otherwise follow the bent top

Standard Section will draft the Detail for the discussion on the future meeting

7. Update on Approval of Design Standards for the Rehabilitation of Historic Bridges on Low Volume County Roads

Keith H. stated that design exception is required for Historic Bridges – the issue is in discussion with Standard Committee (Tony U.)

Low Volume when ADT is less than 400 vpd. Still to discuss:

- the process for higher traffic volume routes.
- New IDM Section/Chapter for Rehab.
- "Select" vs "Non-Select" bridges

8. Official Notice of the Revised Precast Concrete Box Beam Details

The details have been approved and went out for release on 12/08/06 – metric only for now. Mike W. notified of some required corrections – will follow up with specific comments in email.

9. INDOT Cost Data for Inventory Inspection of Steel or Concrete Box Girder Bridges

Skipped

10. Design Memo to Clarify Structure Types to be looked at for SST Submittal

Need to provide more guidance to Designers and Reviewers about the SST on bridge projects – what types to be looked at for comparison, what's to request vs. suggest from the Designer during the Limited Review.

11. Concrete Approach Slab Dead Load Weight to End Bent

Most designers currently do not apply RCBA load on bent during superstructure design.

Although it appears to be a common approach and most observe no immediate problem, the attendees agreed the need to rethink this in the future.

12. New Business

- New Special provision for Self Consolidating Concrete
Skipped.

Additional discussions

Mike W. – need to have unit costs for LSUM item for estimating (painting, Str. Steel)

Wall Systems – pay items, materials and basis for use clarification (IDM Fig. 68-2D).
Tony U. would address this on Wall Committee.

Need info on available and proposed training - Project Managers training (PDP, major/manor projects), LRFD courses, etc.

Mike O. – is asbestos testing required on LPA projects? And who is doing them?

The next meeting has been scheduled on Thursday May 24, 2007, 9:00 – 12:00.