ASCE-INDOT
STRUCTURAL SUBCOMMITTEE
MEETING NO. 42 MINUTES
October 23, 2008

The meeting was called to order at 9:10 am by Steve Weintraut. Those in attendance were:

Anne Rearick	INDOT, Structural Services
Tony Uremovich	INDOT, Structural Services
Ron McCaslin	INDOT, Structural Services
Greg Klevitsky	INDOT, Structural Services
Naveed Burki	INDOT, Structural Services
Jim Reilman	INDOT, Construction Management
Ron Heustis	INDOT, Construction Management
Bill Dittrich	INDOT, Program Development
Mike Cox	Beam Longest & Neff, LLC.
Mike Wenning	American Structurepoint, Inc.
Mike Halterman	USI Consultants, Inc.
Burleigh Law	HNTB Corp.
Michael Eichenauer	Butler, Fairman and Seufert, Inc.
Steve Weintraut	Butler, Fairman and Seufert, Inc.

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

George Snyder	INDOT, Structural Services
Tony Zander	INDOT, Materials and Tests Division
Brian Harvey	INDOT, Program Development
Keith Hoernschmeyer	Federal Highway Administration
Mike McCool	Beam Longest & Neff, LLC.
Dick O'Connor	RQAW Corporation
Troy Jessup	R. W. Armstrong
Jason Yeager	Gohman Asphalt Company
Don Bosse	Prestress Services, Inc.

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

1. The July 24, 2008, meeting minutes were approved as written, and have been placed on the INDOT website.

2. Tony Uremovich passed out a handout for the latest approach slab detail with modified note 5 and new note 6 (See Attachment No. 1). Jim and Ron stated that this detail is one that is currently in use and not working due to too many variables. INDOT Construction has disallowed this detail for construction. One possible alternative could be using a non-metallic angle or plate extending to the top of the deck. Another issue with the detail is the shear dowels. They appear to be causing cracks in the slab because they stick into the slab too far. Dowels or angles could be used to provide shear. It was decided that a subcommittee of Jim Reilman, Naveed Burki and Burleigh Law get together and come up with some new ideas.

3. The specifications and details for the adhesive and semi integral end bent are with Anne awaiting approval.

4. No new developments occurred for the torsion requirements for pier reinforcement.

5. Tony Zander was not present to discuss the update to the semi-light weight concrete specification. Anne will work with Tony to get this in front of the Specifications Committee.

6. The hybrid Bulb-T standards should be available by the end of the year.

7. Troy was not present to discuss the use of 0.6”Ø strand in prestressed concrete beams.

8. Troy was not present to discuss the overhang criteria for beams. However, Burleigh stated that he and Troy have been working on it and have some tables that they will present at the next meeting.

9. The hybrid Bulb-T diaphragm standards should be available by the end of the year.

10. Tony Zander was not present to discuss the special provision for Self Consolidating Concrete. Anne will work with Tony to get this in front of the Specifications Committee.

11. Mike McCool was not present to discuss reinforcing in concrete decks.

12. The CEPDS has a block to discuss LRFD. Anne is continuing to look at NHI courses.

13. Tony Uremovich has updated the Concrete Box beam specification to specify that the voids be vented during beam production until after the initial set and sealed before the beams are delivered. This needs to be approved by the Standards Committee and will be a part of their next meeting.

14. Anne has a summary from other states on how they deal with the 400 k collision load but has not had time to review it. She will review it and discuss it at the next meeting.

15. Jason emailed the group his findings about the drilled shafts. He stated that typically a 6" larger diameter is used above the rock sockets so that a casing can be seated to keep the hole open during rock excavation. Tony will update the INDOT Standard to fix the shaft diameter above the rock socket.

16. Anne sent a email stating that the collection of bridge drainage is not required on most projects.

17. Since Mike McCool was not present, he will present his construction loading examples at the next meeting.

18. Mike Wennig pointed out that INDOT has a design example for integral end bents on their website that differs from their Design Manual. Tony and Anne will look into the discrepancy.

19. Mike Wennig and Steve brought up the idea of using a 9” pavement ledge in lieu of a 6” ledge. This topic will be discussed at the next meeting.

20. The group recommended that if an end bent is on an MSE wall, the aggregate for end bent backfill and end bent drain pipe should be eliminated and to use structural backfill that is behind the MSE wall.

The next meeting for the INDOT Structural Subcommittee is scheduled for 9:00 am on January 22, 2009, in a room to be determined.

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

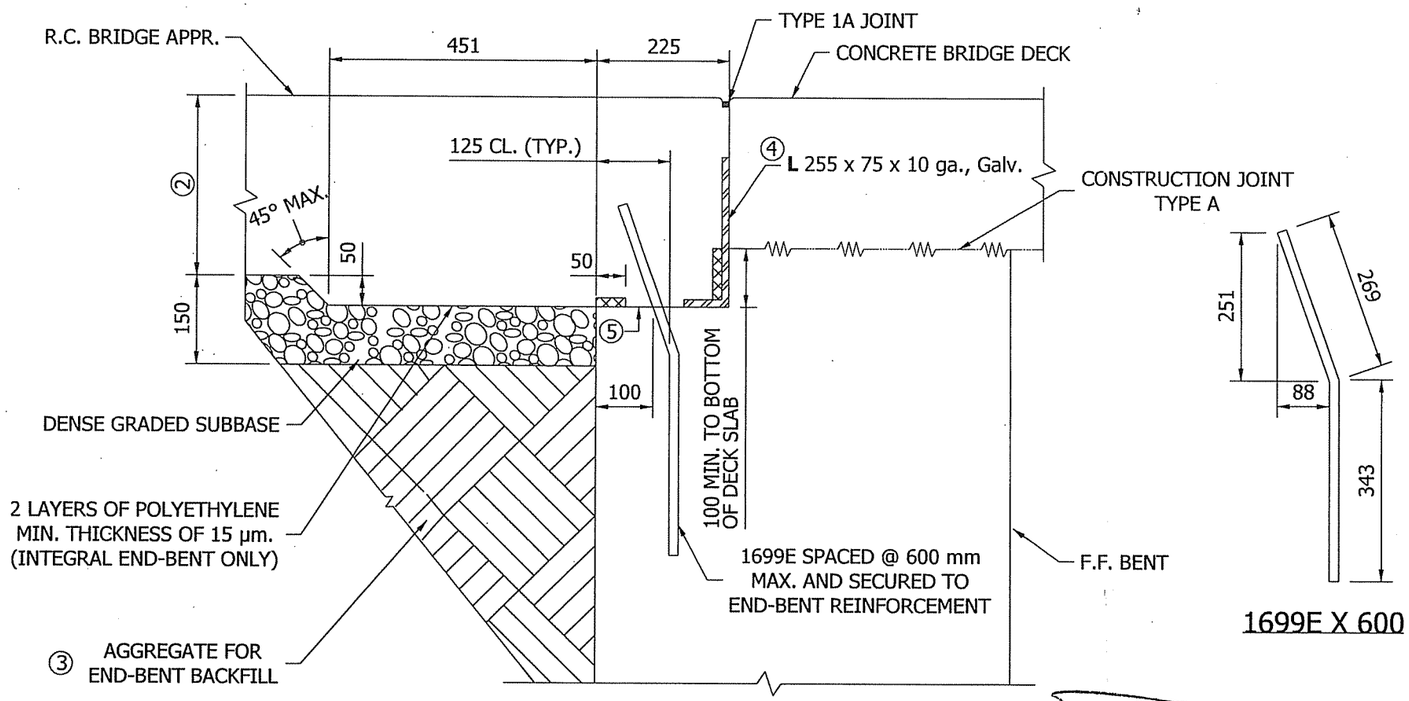
Respectfully submitted,
BUTLER, FAIRMAN and SEUFERT, INC.

Michael Eichenauer, P.E.
meichenauer@bfsengr.com

ME:me

Attachments

MTG 42, ITEM 2



PAVEMENT LEDGE DETAIL

1699E X 600

INCL'S REV'S PER STRL SUCOMM 7-24-09 MTG

NOTES :

1. See Standard Drawing 609-BRJT-01 for TYPE 1A joint details.

② 250 if design-year AADT < 1000
300 if design-year AADT ≥ 1000
or match thickness of concrete approach pavement if thicker than 300

③ Flowable backfill if slab bridge.

④ Angle required only if pouring bridge deck and RCBA simultaneously. Approved form oil shall be applied to the RCBA face of the longer leg of the angle.

⑤ The pavement ledge shall follow the transverse profile along the centerline of the bent.

6. The contractor shall take appropriate measures to ensure that the type 1A joint is directly above the vertical leg of the angle.

Legend

▨ 13 mm Expanded Polystyrene

All Dimensions are in mm unless otherwise specified.

INDIANA DEPARTMENT OF TRANSPORTATION

REINFORCED CONCRETE BRIDGE APPROACH PAVEMENT LEDGE DETAIL JULY 2008 DRAFT

STANDARD DRAWING NO. 609-RCBA-07

/s/ XXXXXXXXX 07/22/08
DESIGN STANDARDS ENGINEER DATE

/s/ XXXXXXXXX 07/22/08
CHIEF HIGHWAY ENGINEER DATE

DESIGN STANDARDS ENGINEER