

DATE: July 2, 2002

SUBJECT: American Concrete Pavement Association
Summer Concrete Pavement Construction Bus Tour
And Meeting Minutes

TO: All Attendees

FROM: Amar C. Bhajandas, P.E., Director /s/ J. Patrick Gardiner, P.E.
Bureau of Construction and Materials

The 2002 ACPA/PennDOT concrete pavement tour and meeting was held on June 13 and 14, 2002, in the Harrisburg area.

The following items were discussed during the tour and the follow up meeting:

- 2001 follow ups
- Details on geotextile covering of drains cannot be built as a continuous piece of fabric. Cutting and overlapping are necessary. Also the trench backfill material should allow other options. This section detail should be rewritten and redrawn.
- Concrete form requirements were discussed relative to matching the pavement thickness or to allow to be shimmed to provide the needed cross section and final elevation.
- Random transverse tining spaced according to 501 verses random transverse tining as specified by the Turnpike.
- LTU Stake down requirements do not include treated base. 16-inch embedment may be excessive.
- Keyways – Required between all 501 & 506 items. Additional bars not sufficient
- Dowel baskets on Metric projects where the lanes are narrower
- Placement of additional tie bars
- Bond breaker on dowel bars – time requirement policy
- Use of new ATPB specification on older projects that had a earlier version in the contract
- Partial lots utilizing IRI; specifications have been revised to address this issue.

Action items identified during the meeting are listed on the attached pages. Items 1 thru 8 are continuations from last year.

Attachment
424/JPG/be

cc: Basil Shorb, APC
M. M. Ryan, P.E., Forum Place, 9th Floor

PennDOT/ACPA
2002 Concrete Pavement Tour
Participants
June 13-14, 2002

John	Becker	ACPA – Northeast	Salahaldin	Ail	PennDOT - QA East
Ken	Crank	ACPA – Northeast	Roger	Apple	PennDOT - QA West
Bob	Prisby	ACPA – Northeast	Brian	Ayers	PennDOT - District 9
Jim	Mack	ACPA – Northeast	Clint	Beck	PennDOT - BOMO
Robb	Jolly	ACPA – National	Bill	Brookhart	PennDOT - District 8
Brian	Eberhart	Callahan Paving Products, Inc.	Brian	Brosius	PennDOT - District 2
Ken	Walker	Central Atlantic	Chris	Cepko	PennDOT - QA East
Gaylord	Cumberledge	CGH Pavment Engineers, Inc.	Naji	Chidiac	PennDOT - District 8
Shiraz	Tayabji	Construction Technology Labs	Dan	Dawood	PennDOT - BOMO
Bijan	Pashanamaei	DMJM + Harris, Inc.	George	Dunheimer	PennDOT - District 6
Keith	Poffenberger	Erdman, Anthony, Assoc.	John	Ekiert	PennDOT - District 11
Stephen	Rohrbach	F.A. Rohrbach, Inc.	Larry	Erdley	PennDOT - District 3
Mark	Emswiler	F.A. Rohrbach, Inc.	Joseph	Evanko	PennDOT - QA West
Bobby	Carlson	Five Star Products	Neal	Fannin	PennDOT - District 2
Jay	Taylor	Hi-Way Paving	James	Foringer	PennDOT - District 11
Kevin	Stephen	Hi-Way Paving	J. Patrick	Gardiner	PennDOT - QA-East
Ed	Wessel	Hi-Way Paving	Steve	Grassetti	PennDOT - QA-East
Jack	Gulisek	John Gulisek Construction Co.	Gary	Hartman	PennDOT - BOMO
Dan	Davis	KCI Technologies	John	Hess	PennDOT - Design
Robert	Toth	Keystone Cement	Gary	Hoffman	PennDOT - Ex. Office
Tim	Rice	Lehigh Portland Cement	Larry	Hoffman	PennDOT - District 8
Ryan	Jacoby	Lehigh Portland Cement	David	Jarvis	PennDOT - QA West
John	Davidyock	McTish, Kunkel & Assoc.	Bob	Johnson	PennDOT - District 3
Frank	Thomas	McTish, Kunkel & Assoc.	Joe	Karsok	PennDOT - District 5
Matt	Natale	Michael Baker, Jr. Inc.	Dave	Kipp	PennDOT - District 2
Kevin	Gorman	Michael Baker, Jr. Inc.	Marcy	Lucas	PennDOT – Lab
Harish	Rao	Michael Baker, Jr. Inc.	Rex	Mackey	PennDOT - District 6
Geoff	Clarke	New Enterprise Stone & Lime	Larry	Maricondi	PennDOT - District 12
James	Kyper	New Enterprise Stone & Lime	Patricia	Miller	PennDOT - QA East
Dennis	Ritchey	R.E. Pierson Construction Co.	Terry	Miller	PennDOT - District 10
Mathew	Ecker	R.E. Pierson Construction Co.	Bill	Miller	PennDOT – BOCM
Michael	Horan	Sanders Saws, Inc.	Lester	Nace	PennDOT - District 8
Donald	Zurenda, Jr.	U.S. Seal, Inc.	Terry J.	Nye	PennDOT - District 1
Donald	Zurenda, Sr.	U.S. Seal, Inc.	Tahmina	Parvin	PennDOT - BOMO
Harry	Foltz	Urban Engineers	Divyang	Pathak	PennDOT – BOD
Joe	Kumer	Urban Engineers	Robert	Peda	PennDOT – BOMO
Dave	Zangrelli	Urban Engineers	Joseph	Robinson	PennDOT - QA West
			William	Siemanski	PennDOT - District 8
			Howard	Stiffler	PennDOT - District 10
Wayne	Kling	DelDOT	Randy	Stoudt	PennDOT - District 8
Zahur	Siddiqui	FHWA	Joe	Strok	PennDOT - District 4
John	Bork	FHWA	Joe	Szczur	PennDOT - District 10
			Bob	Taylor	PennDOT - District 8
			John	Werner	PennDOT - District 5

2002 FOLLOW UP ACTIONS

1. BOMO will re-look at the random transverse texturing pattern and BCM will issue a Strike Off Letter to allow the Turnpike's random transverse texturing or uniform texturing until the situation is resolved.
2. BCM will issue a letter eliminating bridge deck grooving.
3. BCM will reevaluate the patching standard for reinforced concrete.
4. BCM will issue a clearance transmittal for 18 inch stakes for baskets on treated bases.
5. BOMO will revise RC 25, sheet 4 & 6 of 6, to have Milled Shoulder Rumble Strips (one SNAP pattern) on each side of the gore and along the shoulders on ramps.
6. BOMO will revise the RC Standards for geotextile covering of drains. The current detail cannot be built. The separation layer of geofabric is also to be addressed.
7. BCM will write a Strike Off Letter providing end result direction relative to shimming forms.
8. BCM will modify the specification to address the durability of bond breaker on dowel baskets.
9. BCM will write a Strike Off Letter to identify that keyways are required between all 501 or 506 items. The Department is willing to consider alternate keyway designs.
10. BCM will write a Strike Off Letter to address payment for the overrun of a 12 lane built on a metric project. Width will be covered as part of the shoulder width.
11. BCM will evaluate the surface tolerance requirements for the asphalt treated permeable base.
12. BCM will consider the curing and compaction of the cement treated permeable base.
13. BOMO will address the tie bar placement based on the 15 foot joint spacing and possibly eliminating the bars next to the baskets.
14. BCM will provide direction on placement of tie bars when pull out failures occur.
15. BCM will evaluate the hook bar design utilized in District 6.
16. BOMO & BOD will determine the proper strategies when matching existing pavements to new work that have different design concepts; i.e. PCC to reinforced concrete.

17. BCM will review RC Drawings for dowels & tie bars in traffic separators.
18. BCM will consider the magnitude of the penalty for shy depth pavement.
19. BCM will investigate the effects of adjacent lanes placed in different environmental conditions when there is accumulated movement at isolated joints.
20. BOMO will address the proper material to be utilized between the ATPB/CTPB and pavement on shoulders.
21. BOMO will evaluate the design calculations for load transfer units with the idea to eliminate 1 dowel/12 foot lane because of clearance issues and adequate design.
22. BCM will review the use of form oil on ATPB.
23. BCM will consider a maximum temperature for ATPB when the concrete is placed.
24. BCM will evaluate a policy to require inlets to match joints.
25. BCM will review the specification language for joint sealing.
26. BCM will examine the policies regarding the control of material, specifically watering of stone.
27. BOMO is to revise the RC Drawing for hot pour joint material.
28. BCM is to evaluate the effectiveness of protective coating, Item 0503-0001 (linseed oil), and policies on when it is required.
29. BCM will write strike-off-letter encouraging use of new ATPB specification on older projects that had a earlier version in the contract

Target dates will be established after discussions with the Chief Engineer and coordination through the Concrete Pavement Quality Improvement Task Force.