



**INDIANA DEPARTMENT OF TRANSPORTATION**

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MITCHELL E. DANIELS, JR., Governor  
THOMAS O. SHARP, Commissioner

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March 23, 2005

**MEMORANDUM**

05-05

To: District Directors  
Toll Road Operations Engineers  
District Construction Engineers  
District Area Engineers  
Project Engineers/Supervisors  
District Materials & Tests Engineers  
District Development Engineers

FROM: Dennis A. Kuchler, Chief  
Contracts and Construction Division

RE: Concrete Pavement Patching Detail

It has been discovered that Standard Sheet 506-CCPP-01 dated September 1999 is incorrect in showing the removal of existing subbase and being replaced with concrete when patching concrete pavement. It is vital that the subbase be left in place and the concrete patch be placed on top of it. If the existing subbase is in such a condition that it needs to be replaced, or if it needs to be removed to repair the subgrade, it must be replaced with new subbase of the same type prior to the placement of the concrete patch.

Attached is Recurring Plan Detail 506-R-491d which shows the subbase being left in place and Recurring Special Provision 506-R-491 which indicates the change from Standard Sheet 506-CCPP-01 to 506-R-491d.

All existing contracts entailing patching of existing concrete pavement must be revised to eliminate Standard Sheet 506-CCPP-01 and include the attached recurring plan detail and the recurring special provision. A zero dollar change order must be prepared for each project to reflect the change in specifications. The change order shall indicate no additional payment is to be made for this change. (less concrete placement for more subbase and some additional work)

We will have Standard Sheet 506-CCPP-01 revised by the Standards Committee and will republish it with the March 2006 edition of the standards.

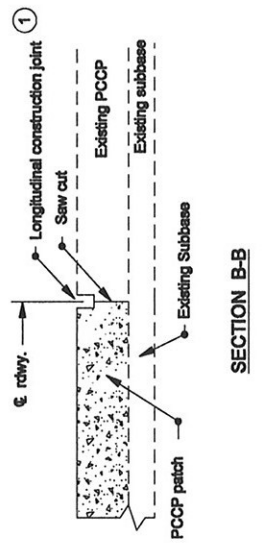
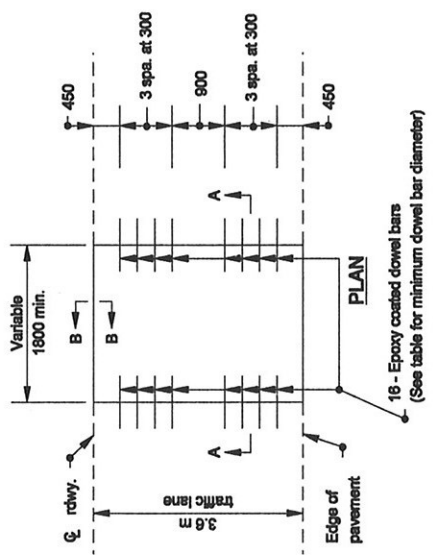
DAK:dls

Cc: Gary Mroczka, Design Division Chief

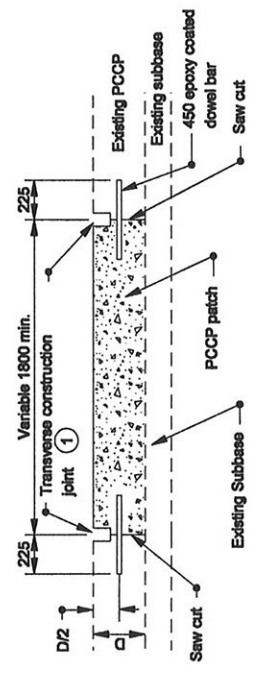
**NOTES**

- ① See Standard Drawing 505-CCPJ-06 for joint seal details.
- 2. Saw cuts and joint seal shall be omitted if PCCP is to be overlaid.

DOWEL BAR SIZES	
Pavement Thickness, D	Minimum Dowel Bar Diameter
Less than 225	25
225 through 300	32
Greater than 300	38



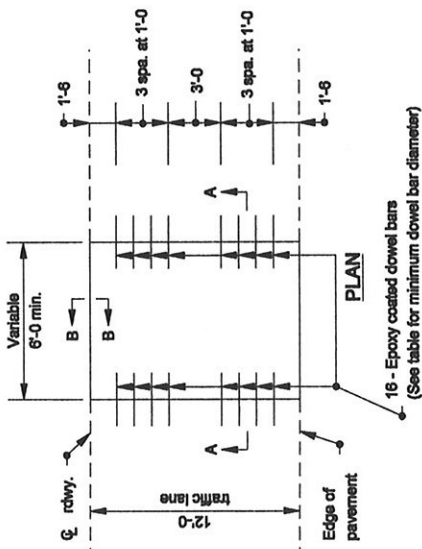
SECTION B-B



SECTION A-A

All dimensions are in mm unless otherwise specified

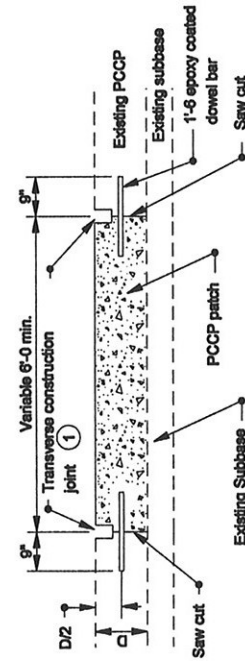
INDIANA DEPARTMENT OF TRANSPORTATION  
**CONCRETE PAVEMENT  
 PATCH DETAILS**



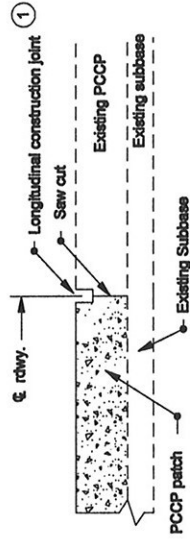
**NOTES**

- 1 See Standard Drawing E 503-CCPJ-06 for joint seal details.
- 2 Saw cuts and joint seal shall be omitted if PCCP is to be overlaid.

DOWEL BAR SIZES	
Pavement Thickness, D	Minimum Dowel Bar Diameter
Less than 8"	1"
8" through 12"	1 1/4"
Greater than 12"	1 1/2"



SECTION A-A



SECTION B-B