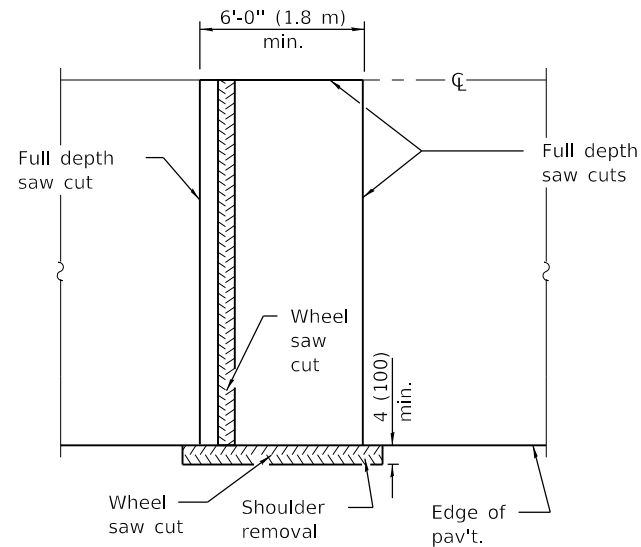


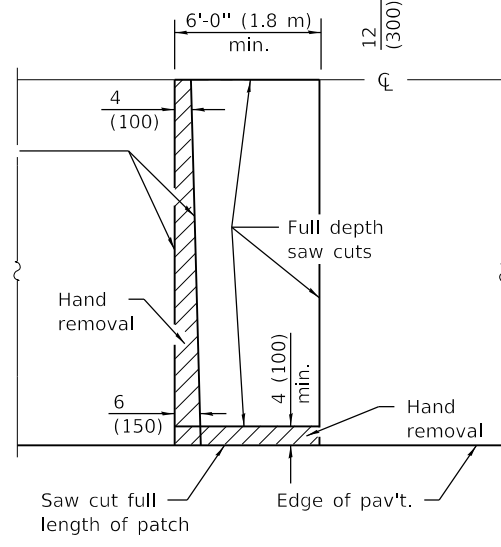
**PAVEMENT SAWING DETAIL**

(HMA SHOULDER)



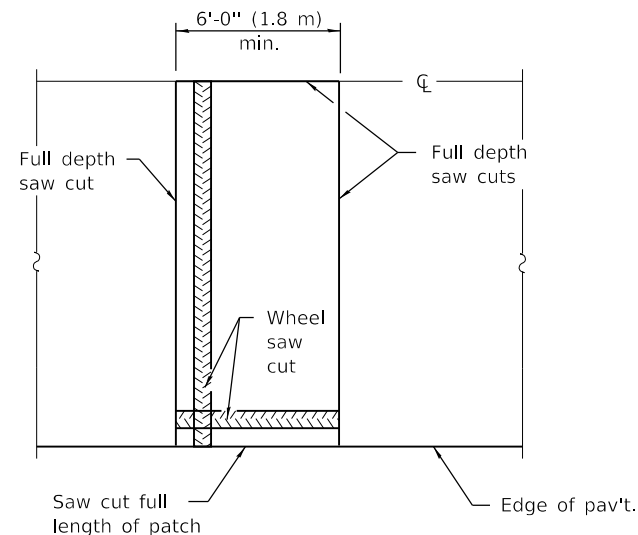
**ALTERNATE SAWING DETAIL**

(HMA SHOULDER)



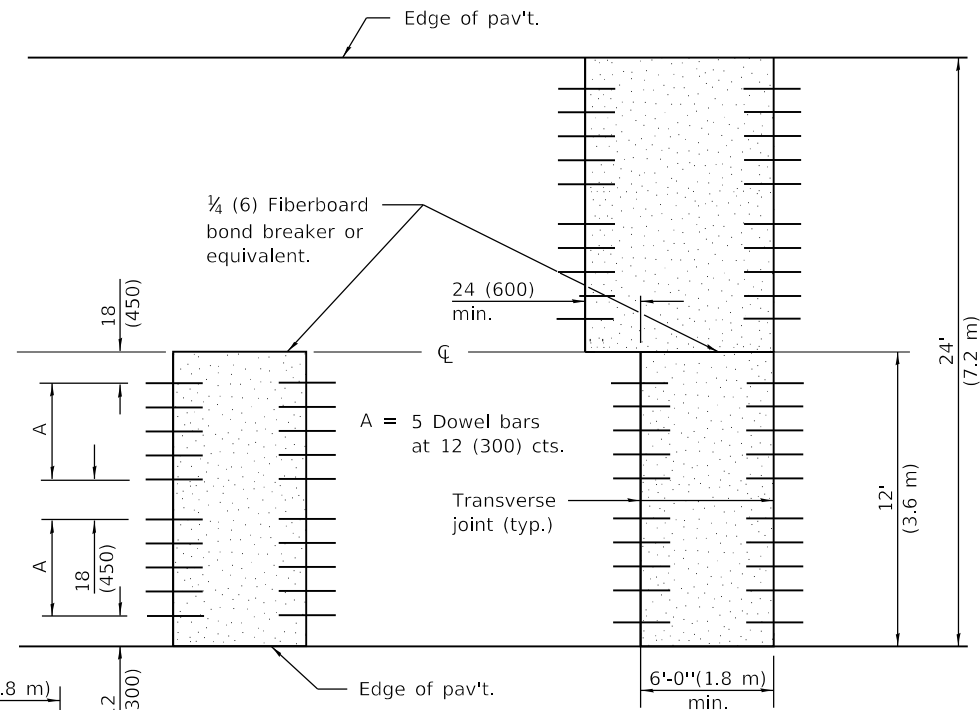
**PAVEMENT SAWING DETAIL**

(PCC SHOULDER)

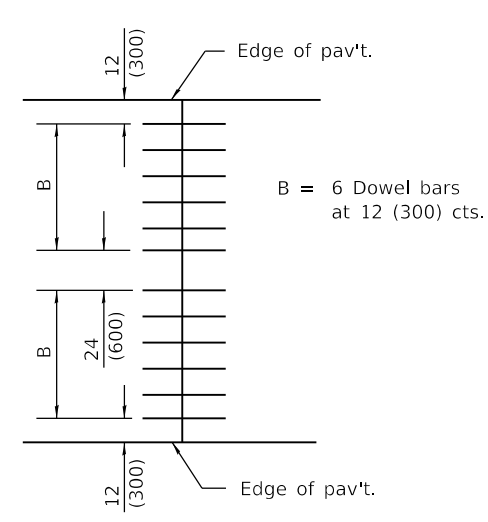


**ALTERNATE SAWING DETAIL**

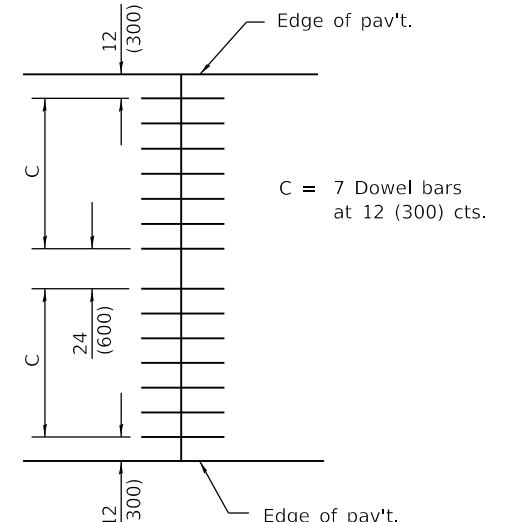
(PCC SHOULDER)



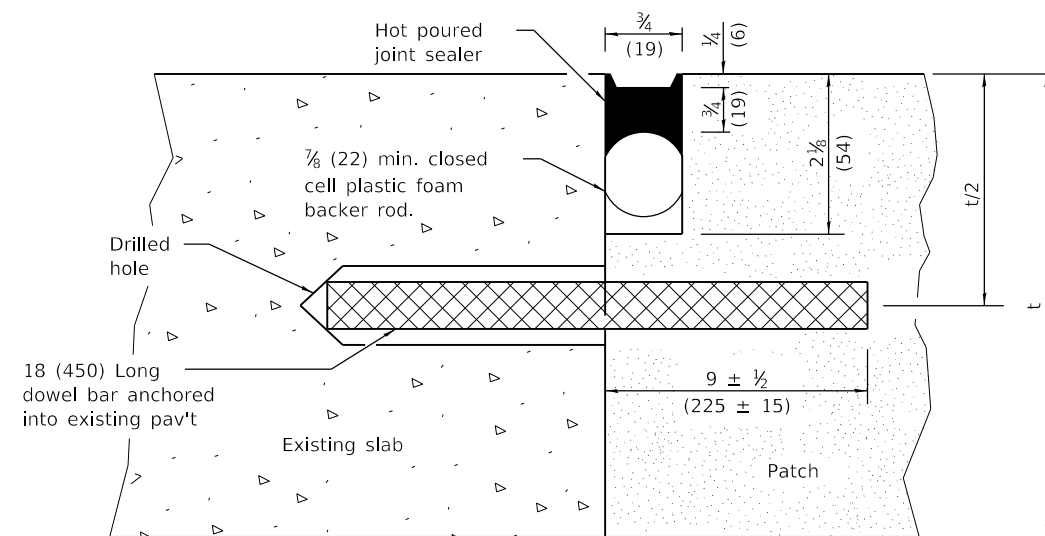
**12' (3.6 m) WIDE LANES**



**14' (4.2 m) WIDE RAMP**

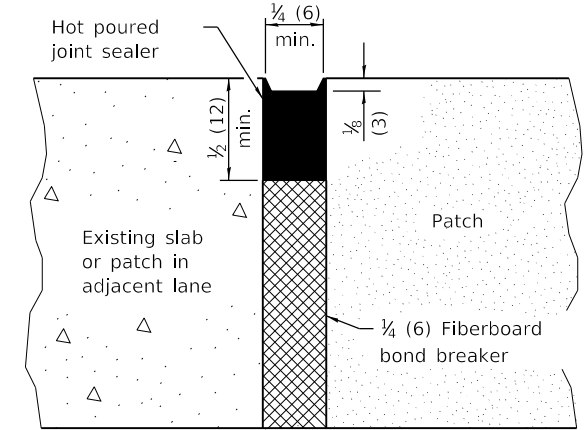


**16' (4.8 m) WIDE RAMP**



**TRANSVERSE JOINT**

DOWEL BAR TABLE		
PAVEMENT THICKNESS	DOWEL BAR DIAMETER	HOLE DIAMETER
10 (250) or greater	1 1/2 (38)	1 3/8 (41)
8 (200) thru 9.99 (249)	1 1/4 (32)	1 3/8 (35)
Less than 8 (200)	1 (25)	1 1/8 (29)



**CENTERLINE JOINT**

**GENERAL NOTES**

The transverse joints for Class B patches shall align with joints or cracks in the adjacent lane whenever possible.

See Standard 420701 for details of welded wire reinforcement.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-19	Revised reference to Standard 420701 in General Notes.
1-1-18	Revised DOWEL BAR TABLE.

**CLASS B PATCHES**

(Sheet 1 of 2)

**STANDARD 442101-09**

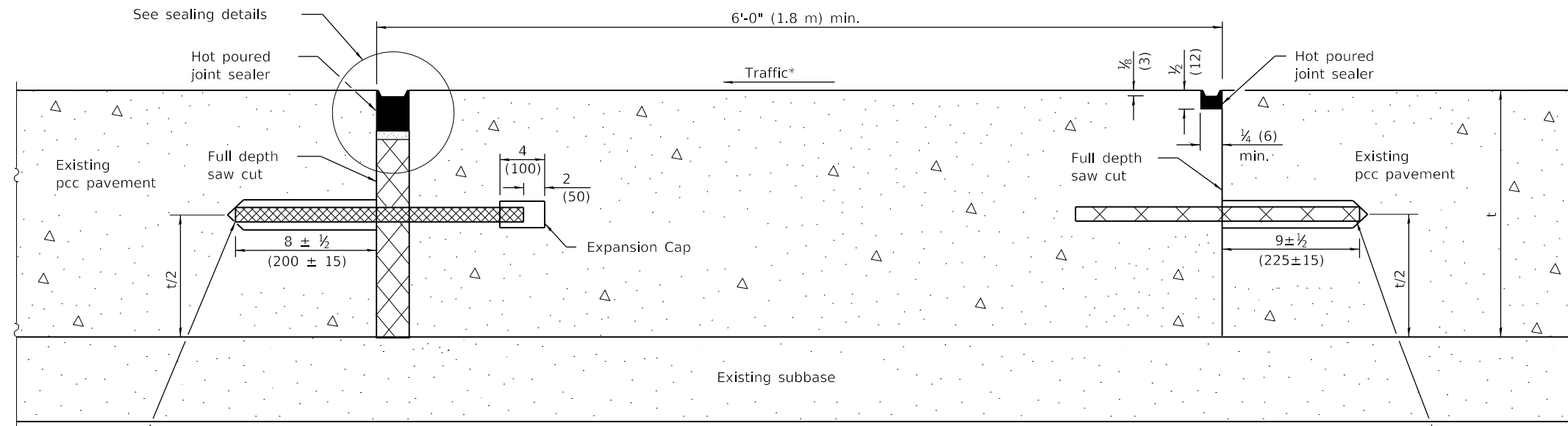
Illinois Department of Transportation

PASSED January 1, 2019  
*Michael Bond*  
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019  
*Joe E. ...*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-19

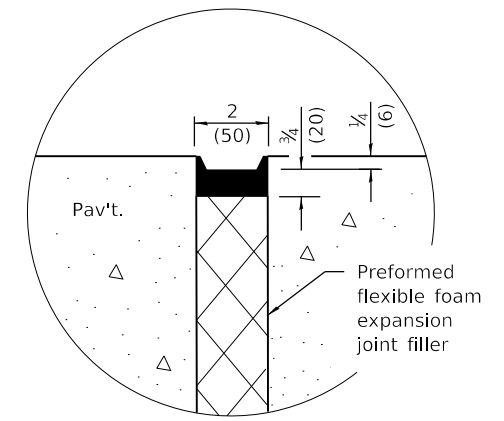
**TRANSVERSE EXPANSION JOINTS**



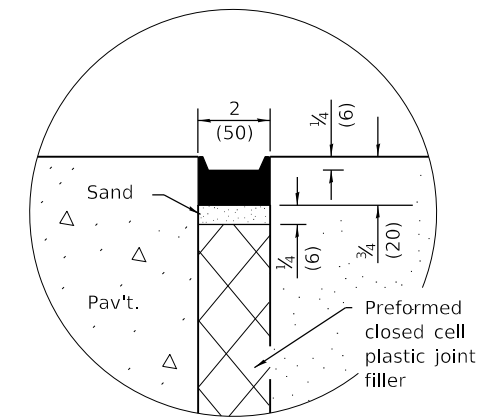
18 (450) Long dowel bars anchored into existing pavement at 12 (300) cts.

**METHOD I**  
(Without Resurfacing)

No. 10x18 (No. 32x450) Tie bars anchored into existing pavement at 12 (300) cts.



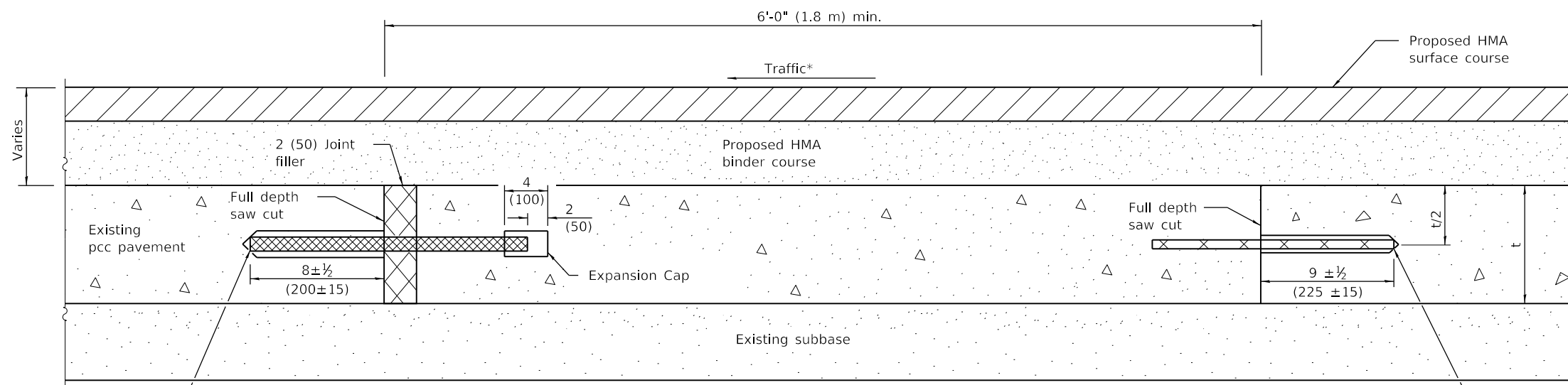
**SEALING DETAIL**



**SEALING DETAIL**

**NOTE**

\* When re-establishing a transverse expansion joint on a two-lane, two-way road, reverse the orientation of the dowel bars with respect to traffic for one of the patches such that the joint will be continuous across both lanes.



18 (450) Long dowel bars anchored into existing pavement at 12 (300) cts.

**METHOD II**  
(With Resurfacing)

No. 10x18 (No. 32x450) Tie bars anchored into existing pavement at 12 (300) cts.

Illinois Department of Transportation

PASSED January 1, 2019  
*Michael Bond*  
 ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2019  
*John E. ...*  
 ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-97

**CLASS B PATCHES**

(Sheet 2 of 2)

**STANDARD 442101-09**