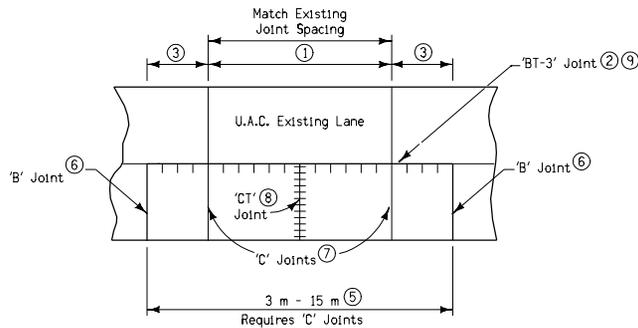
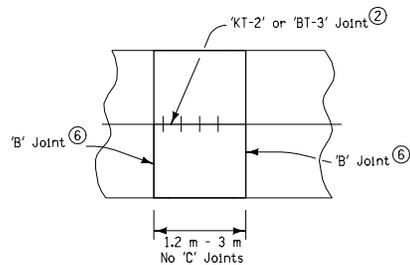


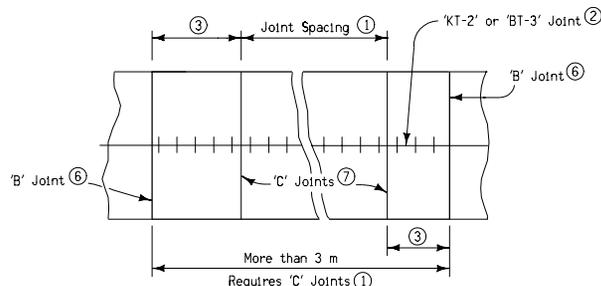
ONE LANE WIDTH PATCH



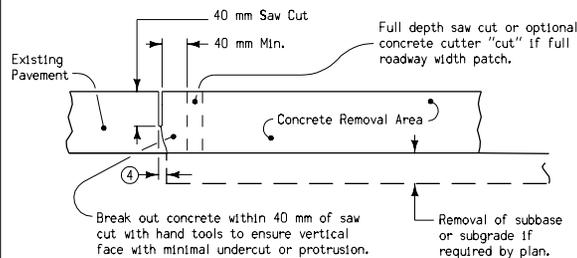
ONE LANE WIDTH PATCH



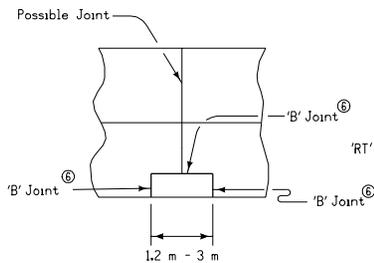
FULL ROADWAY WIDTH PATCH



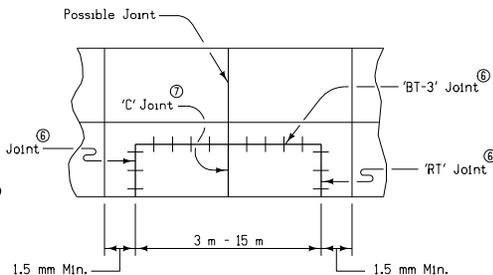
FULL ROADWAY WIDTH PATCH



PAVEMENT REMOVAL DETAILS



PARTIAL LANE WIDTH PATCH

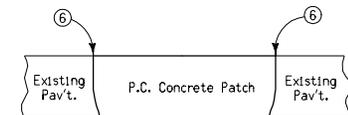


PARTIAL LANE WIDTH PATCH

Refer to Standard Road Plans RH-50 and RH-51 for details of joint construction.

All patches shall be rectangular even when existing pavement joints are skewed.

- ① Joint spacing: 3 meters minimum, 6 meters maximum, 4.5 meters optimum.
- ② Sawing and/or sealing longitudinal joints shall be in accordance with Standard Road Plan RH-51.
- ③ New 'C' Joint must be a minimum 1.5 meters from the patch end.
- ④ The face of the patch should be near vertical. Protrusions less than 50 millimeters need not be removed if uniformly tapered from bottom of saw cut to bottom of patch. A step or ledge on this face is not allowed.
- ⑤ If one lane patch exceeds 15 meters, both lanes should be considered for patching.
- ⑥ If resurfacing is part of the contract, joint shall not be sawed after patching nor be sealed. If patch is not to be resurfaced, then saw and seal according to Standard Road Plan RH-50 Detail "B".
- ⑦ If resurfacing is part of the contract, 'C' Joints shall be sawed but not sealed. If the patch is not to be resurfaced, then saw and seal according to Standard Road Plan RH-50 Detail "A".
- ⑧ Full Panel patches shall have a new joint established at approximate mid panel. This joint does not need to align with any existing joint or crack in adjacent pavement.
- ⑨ When the end of the patch does not match an existing joint or crack in the adjacent pavement, the longitudinal joint between the end of the patch and the preceding transverse joint shall be a 'B' joint.



SECTION THRU PATCH

All dimensions given in millimeters unless noted.

M STANDARD ROAD PLAN REVISION		REVISION 2 10-17-06
	Iowa Department of Transportation	RR-2
	STANDARD ROAD PLAN	SHEET 1 of 1
	REVISIONS: Added 'BT-3' joint to full roadway width patches longitudinal joints. Changed 'Roadway' to 'Lane' in view titles.	
<i>Deanna McMillan</i> APPROVED BY DESIGN METHODS ENGINEER		
FULL DEPTH P.C. CONCRETE PATCH WITHOUT DOWELS (EXISTING NON-COMPOSITE PAVEMENT)		