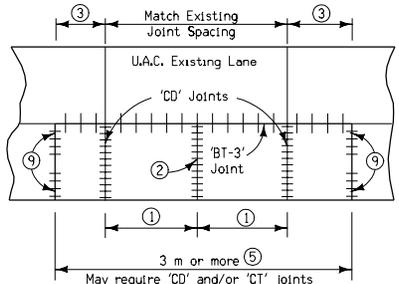
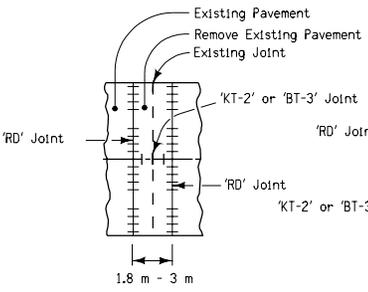


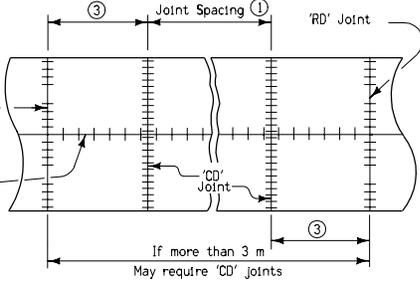
ONE LANE WIDTH PATCH



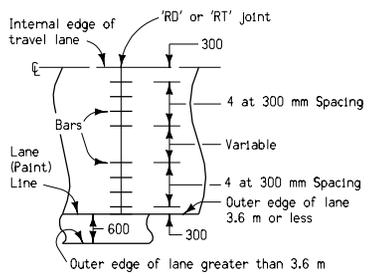
ONE LANE WIDTH PATCH



FULL ROADWAY WIDTH PATCH

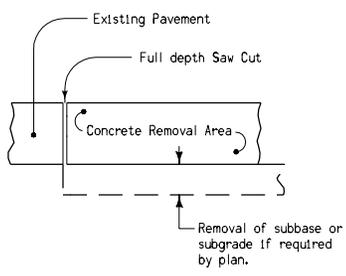


FULL ROADWAY WIDTH PATCH

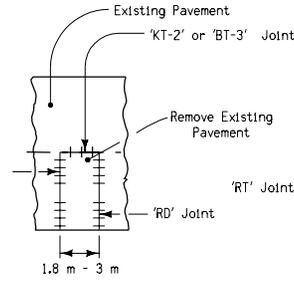


DETAIL FOR 'RT' OR 'RD' JOINT BAR SPACING
TYPICAL HALF PLAN

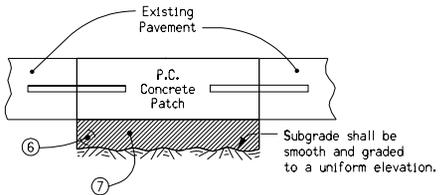
For interior lanes, place first bar 300 mm from edge of lane (slab).



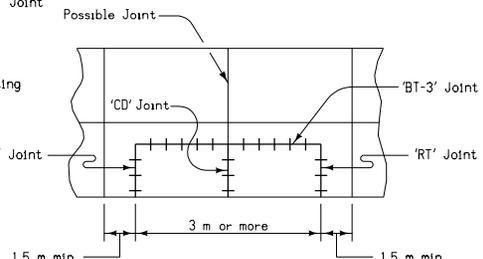
PAVEMENT REMOVAL DETAILS



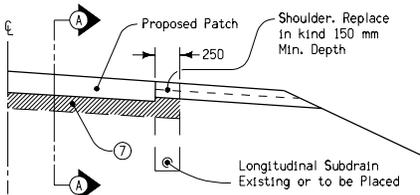
ONE LANE WIDTH PATCH (NO OPPOSING JOINTS)



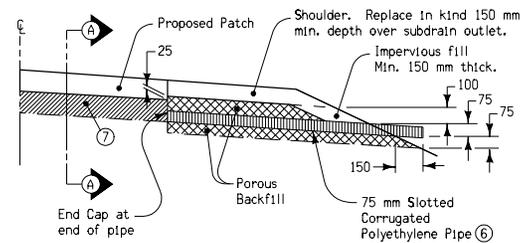
SECTION A-A



PARTIAL LANE WIDTH PATCH



GRANULAR SUBBASE AND SUBDRAIN
(WHEN REQUIRED BY PLAN)
IF LONGITUDINAL SUBDRAIN IS PRESENT OR IS TO BE PLACED



GRANULAR SUBBASE AND SUBDRAIN
(WHEN REQUIRED BY PLAN)
WITHOUT LONGITUDINAL SUBDRAIN

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 Mid panel joint shall be either a 'CT' or a 'CD' joint. If there is no existing joint or crack in the adjacent pavement, place a 'CT' joint. If there is an existing joint or crack in the adjacent pavement, place a 'CD' joint at the same transverse location.
- ③ New 'CD' joint must be a minimum 1.5 meters from the patch end.
- ④ Requires full depth saw cut. Place 13 millimeter preformed joint material between patch and concrete in adjacent lane.
- ⑤ If one lane patch exceeds 15 meters, both lanes should be considered for patching.
- ⑥ If longitudinal subdrain (shoulder) is not to be placed or if not present on side of roadway to be patched, then place 75 millimeter slotted corrugated pipe at low end of patch.
- ⑦ 150 millimeter granular subbase if required by plan. When placed, granular subbase should extend over longitudinal subdrain, if present.
- ⑧ The joint shall be sawed and sealed after patching. Refer to RH-50 for joint details.
- ⑨ If this joint is across from an existing crack or joint, then use 'RD' joint, otherwise use 'RT' joint. The joint shall be sawed and sealed after patching. Refer to RH-50 for joint details.

BAR SIZE TABLE			
①	< 200 mm	≥ 200 mm but < 250 mm	≥ 250 mm
DOWEL SIZE	20	30	35
TIE BAR SIZE	#20	#30	#35

All dimensions given in millimeters unless noted.

M STANDARD ROAD PLAN REVISION		REVISION 2 10-17-06
	STANDARD ROAD PLAN	RR-4
	REVISIONS: Added detail for one lane patch with no opp. joints. Added BT-3 joint to full roadway longitudinal joints. Increased distance to outer bar to 300mm	SHEET 1 of 1
	<i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER	
	FULL DEPTH P.C. CONCRETE PATCH WITH DOWELS (EXISTING NON-COMPOSITE PAVEMENT)	