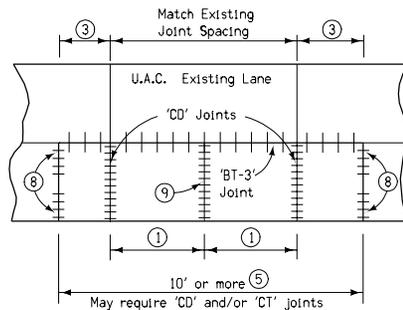
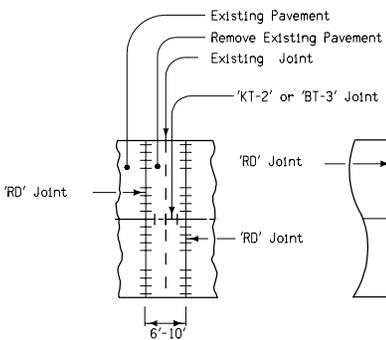


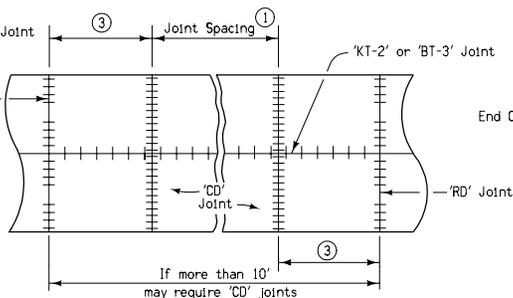
ONE LANE WIDTH PATCH



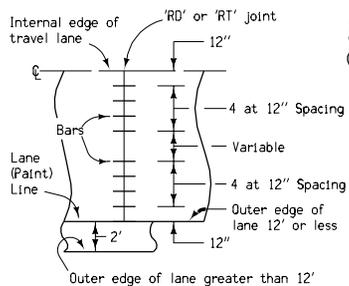
ONE LANE WIDTH PATCH



FULL ROADWAY WIDTH PATCH



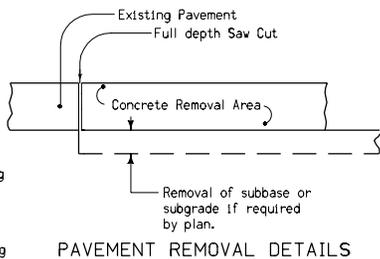
FULL ROADWAY WIDTH PATCH



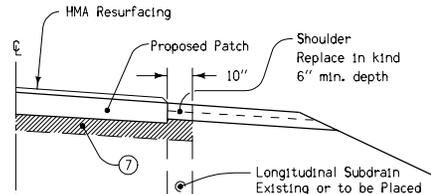
DETAIL FOR 'RT' OR 'RD' JOINT BAR SPACING

TYPICAL HALF PLAN

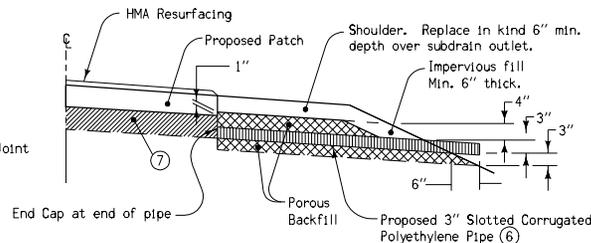
For interior lanes, place first bar 12" from edge of lane (slab).



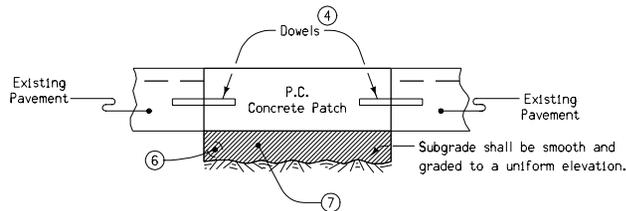
PAVEMENT REMOVAL DETAILS



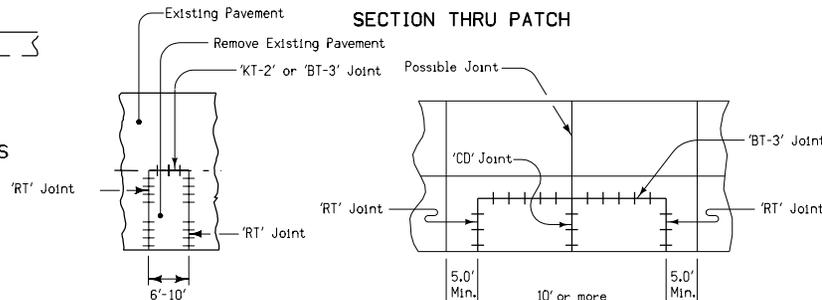
GRANULAR SUBBASE AND SUBDRAIN  
(WHEN REQUIRED BY PLAN)  
IF LONGITUDINAL SUBDRAIN IS PRESENT OR IS TO BE PLACED



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



SECTION THRU PATCH



ONE LANE PATCH (NO OPPOSING JOINT)

PARTIAL LANE WIDTH PATCH

If damage occurs outside of patch locations due to removal operations, the contractor shall be responsible for the cost of repairs.

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 10 ft. minimum, 20 ft. maximum, 15 ft. optimum.
- 2 The joint shall not be sawed nor sealed. Full depth saw cut required prior to removal. Place 12" preformed joint material between patch and concrete in adjacent lane.
- 3 New 'CD' Joint must be a minimum 5 ft. from the patch end.
- 4 Install dowels approximately mid-depth of existing PCC Pavement.
- 5 If one lane patch exceeds 50 ft., 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 proposed 3 inch slotted corrugated pipe at low end of patch.
- 7 6 inches granular subbase if required by plan. When placed, granular subbase should extend over longitudinal subdrain, if present.
- 8 If this joint is across from an existing crack or joint, then use 'RD' joint, otherwise use 'RT' joint. 'RT' joints shall not be sawed after patching nor be sealed. Refer to RH-50 for joint details.
- 9 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 'CD' joint at the same transverse location. 'CT' joints shall be sawed but not sealed.

BAR SIZE TABLE			
Existing PCC Pavement Thickness	Less than 8"	8" but less than 10"	10" or More
DOWEL SIZE	3/4"	1 1/4"	1 1/2"
TIE BAR SIZE	#6	#10	#11

<p>Iowa Department of Transportation</p> <p><b>STANDARD ROAD PLAN</b></p> <p>REVISIONS: Added lane width patch with no int. joints. Added 'BT-3' joint to full roadway patches longitudinal joints. Increased bar to outer edge of pavement to 12".</p> <p><i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER</p> <p>FULL DEPTH P.C. CONCRETE PATCH WITH DOWELS (EXISTING COMPOSITE PAVEMENT)</p>	<p>REVISION</p> <p>1   10-17-06</p>
	<p><b>RR-5</b></p> <p>SHEET 1 of 1</p>