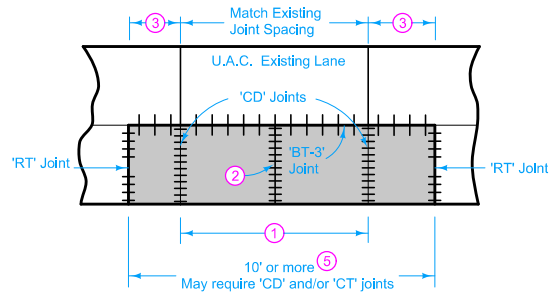
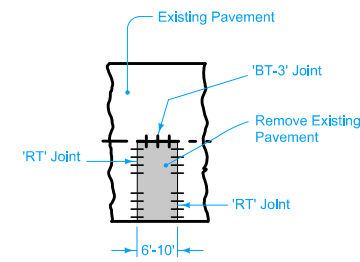


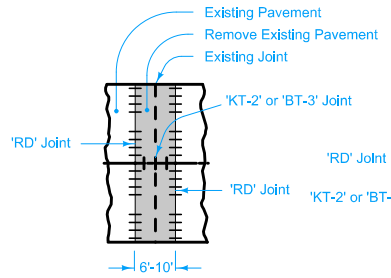
**ONE LANE WIDTH PATCH**



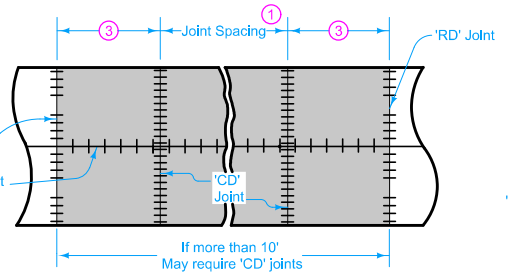
**ONE LANE WIDTH PATCH**



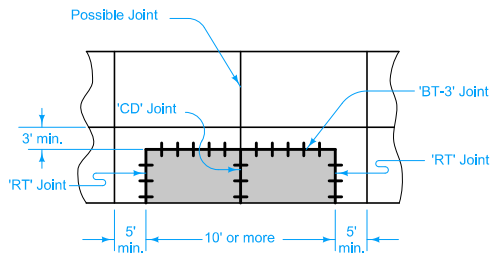
**ONE LANE PATCH (NO OPPOSING JOINT)**



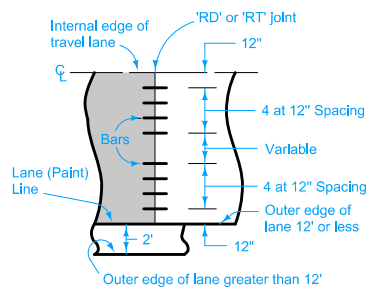
**FULL ROADWAY WIDTH PATCH**



**FULL ROADWAY WIDTH PATCH**

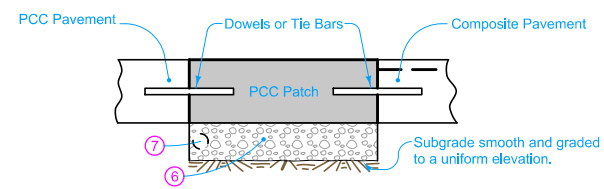


**PARTIAL LANE WIDTH PATCH**

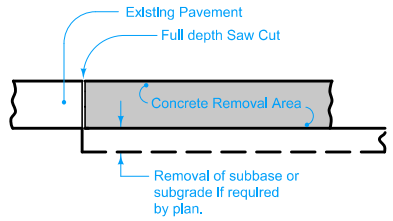


**DETAIL FOR 'RT' OR 'RD' JOINT BAR SPACING**

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



**LONGITUDINAL SECTION THRU PATCH**



**PAVEMENT REMOVAL DETAILS**

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

See **PV-101** for joint and bar placement details.

Construct rectangular patches even when existing pavement joints are skewed.

- ① Joint spacing 10 feet minimum, 20 feet maximum, 15 feet optimum.
- ② 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. Saw but do not seal 'CT' joints.
- ③ New 'CD' joint must be a minimum 5 feet from the patch end.
- ④ Do not saw or seal the joint. Place 1/2 inch preformed joint material between patch and concrete in adjacent lane.
- ⑤ If one lane patch exceeds 50 feet, both lanes should be considered for patching.
- ⑥ Possible Subbase Patch, see **PR-140**.
- ⑦ If longitudinal subdrain (shoulder) is not to be placed or if it is not present on side of roadway to be patched, then place drain per **PR-140**.

Possible Contract Items:

- CD Joint Assembly
- CT Joint
- Patches by Count (Repair)
- Patches, Full-Depth Finish, by Area
- Patches, Full-Depth Finish, by Count
- Patches, Full Depth Finish, by Area (50 feet in length or greater)
- Patches, Full-Depth Repair

Possible Tabulation:  
102-6C

<b>IOWA DOT</b>	REVISION
	New 10-21-14
<b>STANDARD ROAD PLAN</b>	<b>PR-103</b>
SHEET 1 of 1	
REVISIONS: New, Replaces RR-4.	
<i>Brian Smith</i> APPROVED BY DESIGN METHODS ENGINEER	
<b>FULL DEPTH PCC PATCH WITH DOWELS</b>	