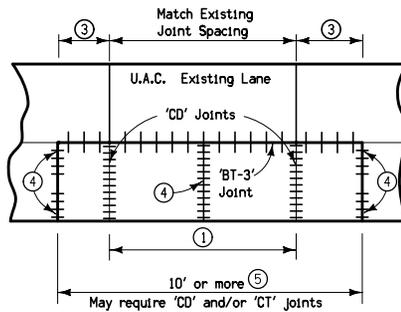
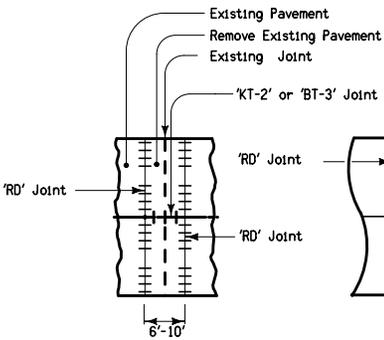


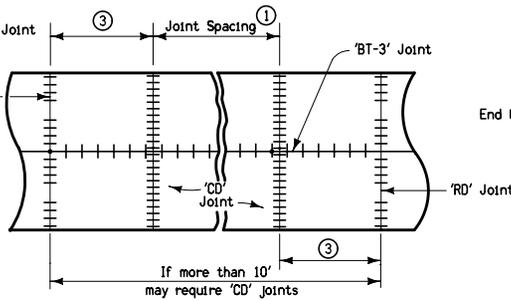
ONE LANE WIDTH PATCH



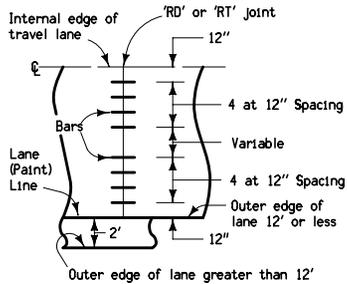
ONE LANE WIDTH PATCH



FULL ROADWAY WIDTH PATCH



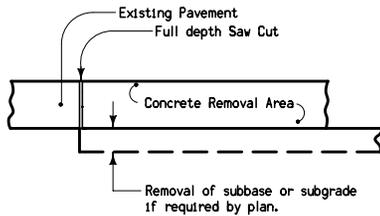
FULL ROADWAY WIDTH PATCH



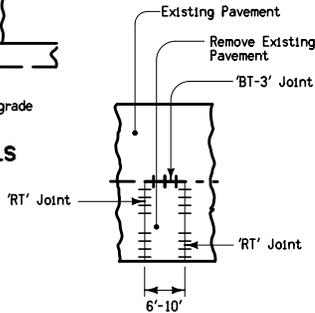
DETAIL FOR 'RT' OR 'RD' JOINT BAR SPACING

TYPICAL HALF PLAN

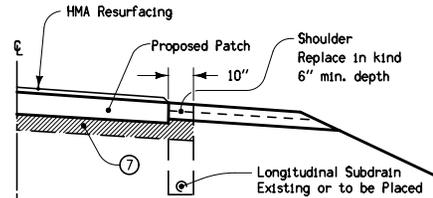
For interior lanes, place first bar 12" from edge of lane (slab).



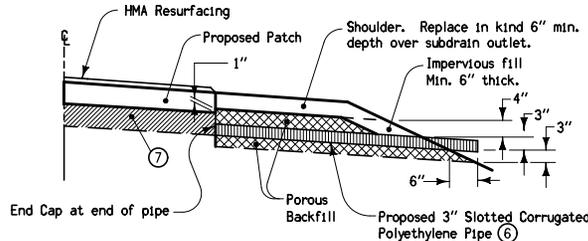
PAVEMENT REMOVAL DETAILS



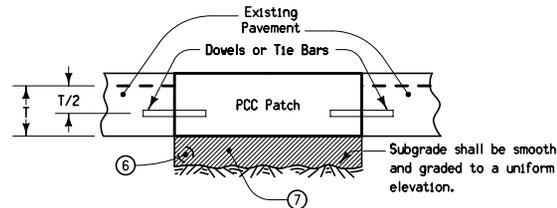
ONE LANE PATCH (NO OPPOSING JOINT)



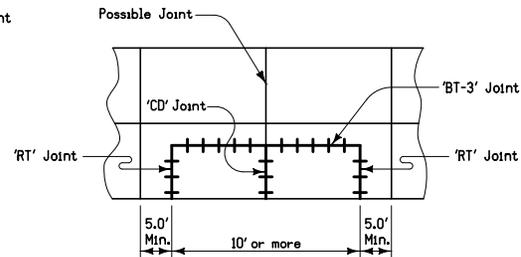
GRANULAR SUBBASE AND SUBDRAIN
(WHEN REQUIRED BY PLAN)
IF LONGITUDINAL SUBDRAIN IS PRESENT OR IS TO BE PLACED



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



LONGITUDINAL SECTION THRU PATCH



PARTIAL LANE WIDTH PATCH

See PV-1 for joint details.

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

- Joint spacing 10 ft. minimum, 20 ft. maximum, 15 ft. optimum.
- The joint shall not be sawed or sealed. Place 1/2" preformed joint material between patch and concrete in adjacent lane.
- New 'CD' joint must be a minimum 5 ft. from the patch end.
- 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.
- If one lane patch exceeds 50 ft., both lanes should be considered for patching.
- 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.
- 6 inches granular subbase if required by plan. When placed, granular subbase should extend over longitudinal subdrain, if present.

BAR SIZE TABLE

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

Iowa Department of Transportation

STANDARD ROAD PLAN

REVISIONS: Updated references to renamed standards. Adjusted joint spacing length for one lane width patch. Updated circle note 4.

APPROVED BY DESIGN METHODS ENGINEER

Deanna McFalls

FULL DEPTH PCC PATCH WITH DOWELS (EXISTING COMPOSITE PAVEMENT)

REVISION	3	04-20-10
RR-5		
SHEET 1 of 1		