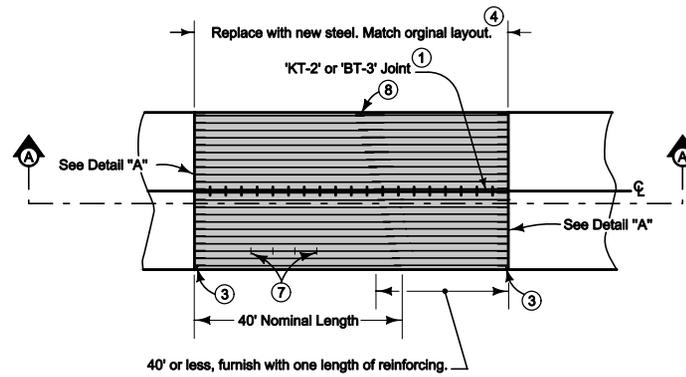
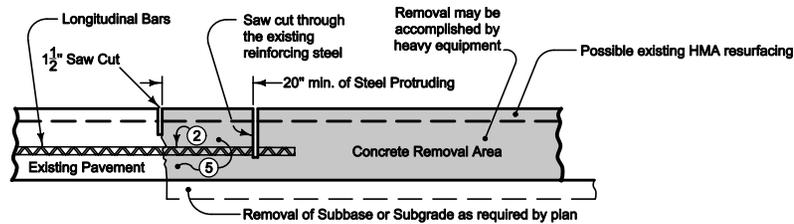


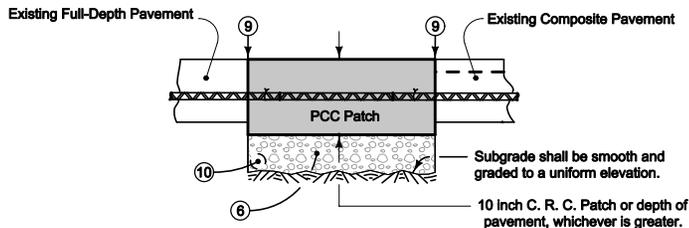
**ONE LANE WIDTH PATCH**



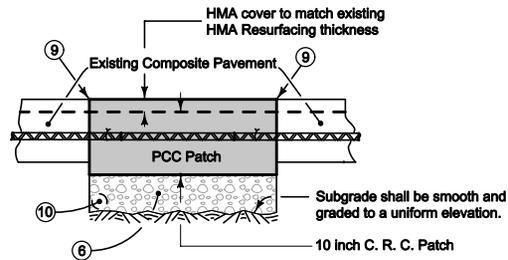
**FULL ROADWAY WIDTH PATCH**



**DETAIL "A"**  
PAVEMENT REMOVAL DETAILS LONGITUDINAL SECTION



**SECTION A-A**  
PCC ONLY PATCH OPTION



**SECTION A-A**  
COMPOSITE PATCH OPTION

- ① If patch is over 10 feet in length, replace tie bars. See PV-101 for joint details.
- ② Reasonable care shall be taken to preserve the 20 inch length of longitudinal steel when removing concrete.
- ③ 18 inch minimum lap between existing and new reinforcing bars 2 wire ties per lap.
- ④ Minimum length of patch is 8 feet.
- ⑤ Pavement area shall be broken and removed to ensure vertical face with minimal undercut or protrusion.
- ⑥ Possible Subdrain Patch, see RR-26.
- ⑦ Longitudinal bars shall be placed at approximately midpoint of the slab and supported at approximately 4 foot intervals.
- ⑧ Lap bars 25 diameters of steel or 24 inch minimum for mesh; patches 8 feet to 40 feet no immediate lap joint; over 40 feet length lap joint as required to not exceed 40 feet spacing.
- ⑨ Do not saw or seal the joint after patch is placed.
- ⑩ 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 RR-26.

Possible Contract Items:  
 Patches by Count (Repair)  
 Patches, Full-Depth Finish, by Area  
 Patches, Full-Depth Finish, by Count  
 Patches, Full-Depth Repair

Possible Tabulation:  
 102-6C

 Iowa Department of Transportation	REVISION
	4 04-19-11
<b>STANDARD ROAD PLAN</b>	<b>RR-18</b>
SHEET 1 of 1	
REVISIONS: Updated references to renamed standards.	
 APPROVED BY DESIGN METHODS ENGINEER	
<b>FULL DEPTH PATCH</b> <b>CONTINUOUS REINFORCED</b> <b>P.C. CONCRETE PAVEMENT</b>	