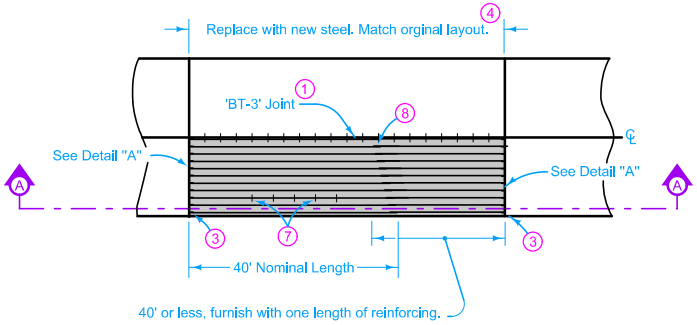
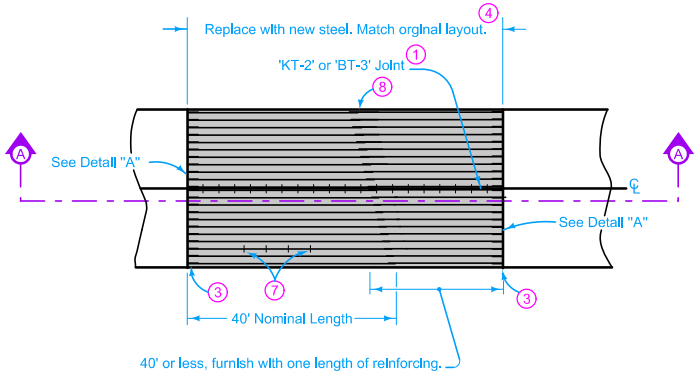
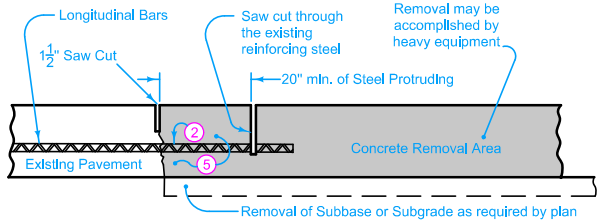


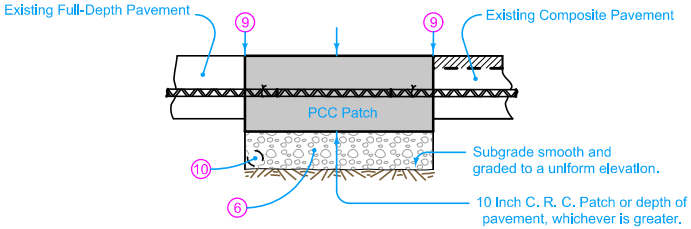
ONE LANE WIDTH PATCH



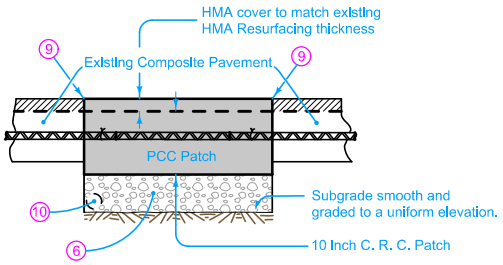
FULL ROADWAY WIDTH PATCH



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. Exercise care 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. Break and remove pavement area to ensure vertical face with minimal undercut or protrusion.
6. Possible Subdrain Patch, see PR-140.
7. Place longitudinal bars at approximately midpoint of the slab and support at approximately 4 foot intervals.
8. Lap bars 25 diameters of steel or 24 inch minimum for mesh. For patches 8 feet to 40 feet, no intermediate lap joint required. For patches over 40 feet in 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 PR-140.

Possible Contract Items:
Patches by Count (Repair)
Patches, Full-Depth Finish, by Count
Patches, Full-Depth Repair
Patches, Full-Depth Finish, by Area
Patches, Full-Depth Finish, by Area (50 feet or greater in length)

Possible Tabulation:
102-6C

IOWA DOT

REVISION	
New	10-21-14

STANDARD ROAD PLAN

PR-104

SHEET 1 of 1

REVISIONS: New. Replaces RR-18.

Brian Smith
APPROVED BY DESIGN METHODS ENGINEER

FULL DEPTH PATCH CONTINUOUS REINFORCED PCC PAVEMENT