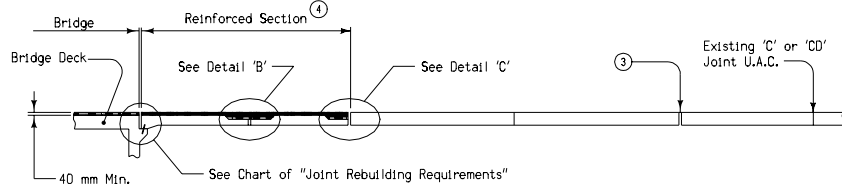
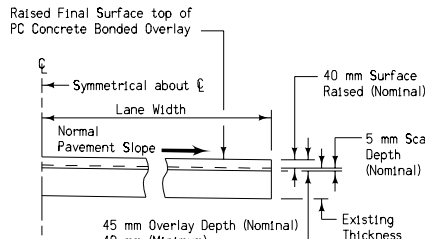


TYPICAL PLAN VIEW



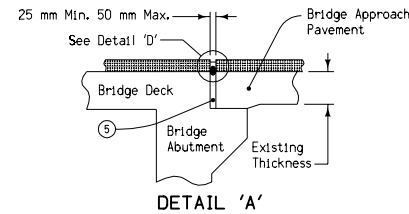
TYPICAL SECTION THRU CENTERLINE



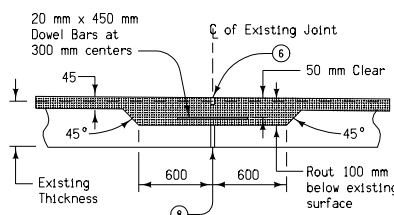
SECTION A-A

JOINT REBUILDING REQUIREMENTS	
EXISTING JOINT WIDTH in Millimeters	CONSTRUCTION METHOD REQUIRED
0 to 25	Cut to 40 mm width See Detail 'A'
25 to 50	See Detail 'A'
Greater than 50	See Detail 'E'

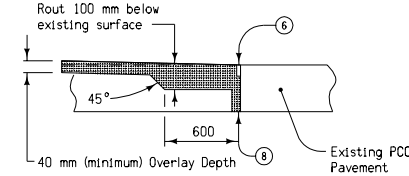
- ① Remove HMA Resurfacing if present. The cost of removal is considered incidental to "Bridge Floor Overlay" as detailed herein.
- ② Existing shoulder elevation to be raised to match new pavement grade.
- ③ At first existing "CF" or "EF" joint beyond PCC Overlay area, clean joint, trim to 95 ± 10 millimeters and install preformed joint material 115 ± 5 millimeters wide X pavement thickness minus 25 millimeters deep with lubricant adhesive. See Materials I.M. 436.05 for list of approved materials.
- ④ Reinforced bridge approach section overlay "Runout" slope not to exceed 10 millimeters in 3 meters from profile grade.
- ⑤ Existing Joint, remove all expansion material and clean joint area. (Not to be overlaid and saw cut)
- ⑥ Saw and seal over existing joint; see Detail 'B' on Standard Road Plan RH-51
- ⑦ 25 millimeter Preformed Resilient Joint Material
- ⑧ Existing joint, remove all expansion material and fill with overlay material.



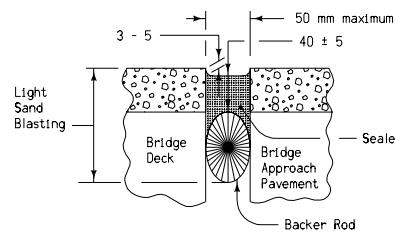
DETAIL 'A'



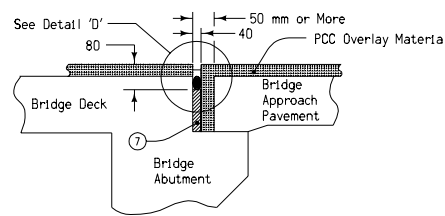
DETAIL 'B'



DETAIL 'C'



DETAIL 'D'



DETAIL 'E'

Where Existing Joint is greater than 50 mm

This plan shows construction details of a PCC Overlay on a bridge approach section to match the thickness of the bridge deck overlay.

After undersealing (by others), the following work is to be accomplished one half of the approach width at a time while traffic is maintained in the adjacent lanes. The work is to proceed in the following sequence:

1. Rout out existing joints as detailed in the plans.
2. Scarify to the minimum depth of 5 mm the existing PCC surface of the reinforced bridge approach section. The scarification shall be deep enough to provide a minimum overlay thickness of 40 mm.
3. Overlay the scarified approach pavement with PC Concrete in compliance with Section 2413. The existing joint at the bridge end shall not be overlaid and cut out by saw. The method used shall be approved by the Engineer.
4. Install sealed joint at the bridge end and at the locations of overlaid existing joints as detailed on this sheet.
5. Trim the first existing "CF" joint beyond the resurfaced area to a uniform 95 mm ± 10 mm width, clean joint and install new preformed joint material with lubricant adhesive.

Routing at joints will be measured and paid for as "Class A Bridge Floor Repairs" in compliance with Section 2413. Scarification deeper than 5 mm to provide a minimum overlay depth of 40 mm shall not be paid for separately, but shall be incidental to "Bridge Floor Overlay". See Details 'B' and 'C' on this sheet.

Scarifying and overlaying of the bridge approach pavement with PC Concrete shall be paid for at the contract unit price for "Bridge Floor Overlay" as specified in Section 2413. This item shall include all extra depth scarification to provide a minimum overlay thickness of 40 mm.

Installing sealed joints at the bridge end and at locations of existing joints that are overlaid shall not be paid for separately, but shall be incidental to "Bridge Floor Overlay." See details on this sheet.

For raising HMA shoulders to match the PCC overlay of the bridge approach pavement, Class II compaction is required as specified in Section 2303. Asphalt binder and tack coat are considered incidental.

"Granular Shoulders, Type B" shall be constructed according to Section 2121 when other than paved shoulders exist.

For joint details, see Standard Road Plans RH-50, RH-51 and RH-52.

All dimensions given in millimeters unless noted.

M METRIC VERSION	 Iowa Department of Transportation	REVISION 7 10-17-06
		RK-17
	STANDARD ROAD PLAN	
	SHEET 1 of 1	
<i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER		
PCC OVERLAY OF REINFORCED BRIDGE APPROACH SECTION		