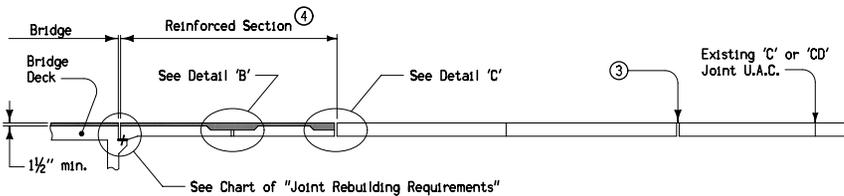
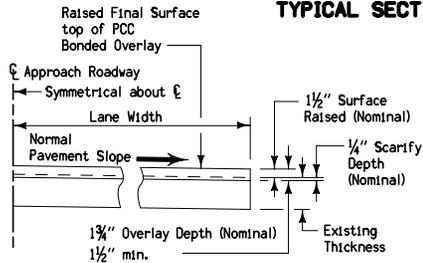


TYPICAL PLAN VIEW



TYPICAL SECTION THRU CENTERLINE

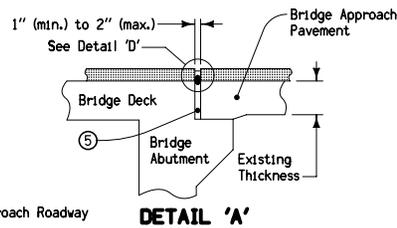


SECTION A-A

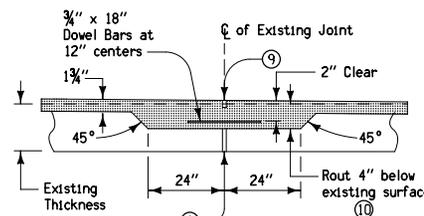
JOINT REBUILDING REQUIREMENTS

EXISTING JOINT WIDTH	CONSTRUCTION METHOD REQUIRED
0 to 1"	Cut to 1 1/2" width See Detail 'A'
1" to 2"	See Detail 'A'
Greater than 2"	See Detail 'E'

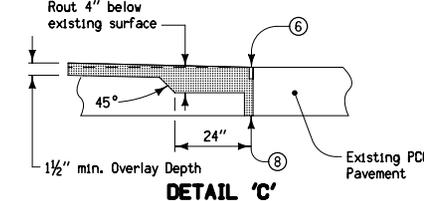
- ① Remove HMA Resurfacing if present. The cost of removal is considered incidental to "Bridge Floor Overlay" as detailed hereon.
- ② Existing shoulder elevation to be raised to match new pavement grade.
- ③ At first existing 'CF' joint beyond PCC Overlay area, clean joint, trim to 3/4" ± 1/8" and install preformed joint material 4 1/2" ± 1/8" wide x pavement thickness minus 1 inch 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 1 inch in 25 feet 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; refer to Detail 'C' on RH-50.
- ⑦ 1" Preformed Resilient Joint Material.
- ⑧ Existing joint, remove all expansion material and fill with overlay material.
- ⑨ Saw and seal over existing joint; refer to Detail 'B' on RH-50.
- ⑩ Applicable only if a transverse crack in the reinforced section exists.



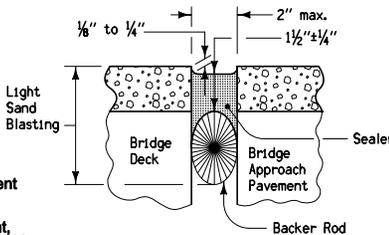
DETAIL 'A'



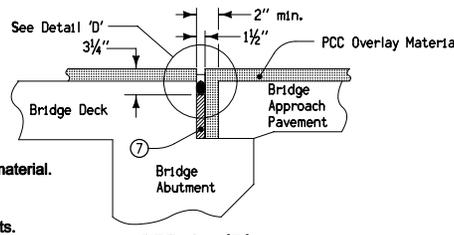
DETAIL 'B'



DETAIL 'C'



DETAIL 'D'



DETAIL 'E'

Where Existing Joint is greater than 2"

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), work is to proceed in the following sequence and in accordance with traffic control plans:

1. Rout out existing joints as detailed in the plans.
2. Scarify to the minimum depth of 1/4 inch the existing PCC surface of the reinforced bridge approach section. The scarification shall be deep enough to provide a minimum overlay thickness of 1 1/2 inches.
3. Overlay the scarified approach pavement with PCC 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 3/4" ± 1/8" 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.

Overlying of the bridge approach pavement with PCC shall be paid for at the contract unit price for "Bridge Floor Overlay" as specified in Section 2413. Scarification to the depth required shall be incidental to "Bridge Floor Overlay".

Sealed joints installed at locations of existing joints shall not be paid for separately, but shall be incidental to "Bridge Floor Overlay".

For raising HMA shoulder 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, refer to RH-50, RH-51 and RH-52.

 Iowa Department of Transportation	REVISION 8 10-20-09
	RK-17 SHEET 1 of 1
REVISIONS: Changed notes 6, 9 and 10	
<i>Deanna Maillett</i> APPROVED BY DESIGN METHODS ENGINEER	
PCC OVERLAY OF REINFORCED BRIDGE APPROACH SECTION	