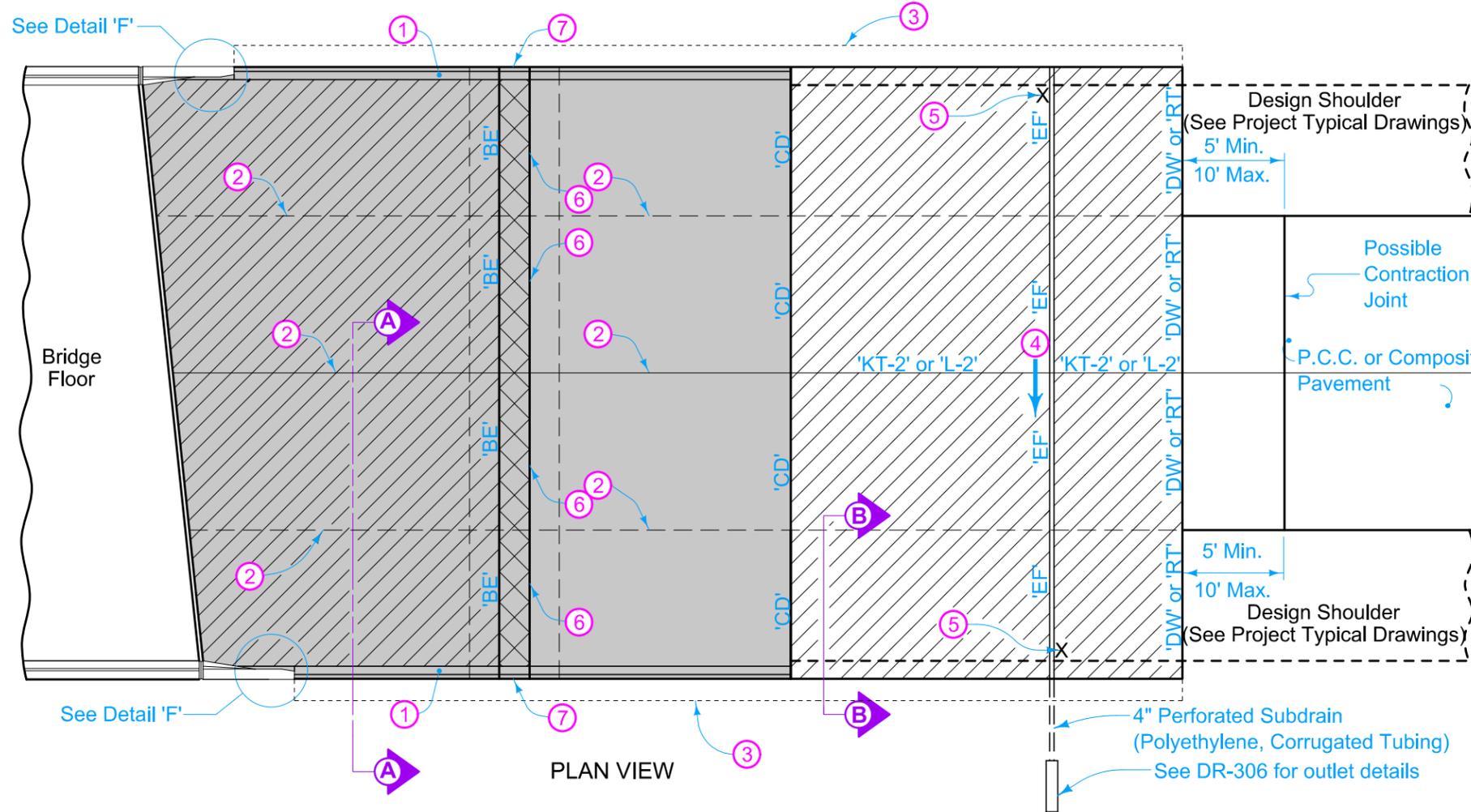


# DESIGNER INFORMATION



For joint details, see PV-101.

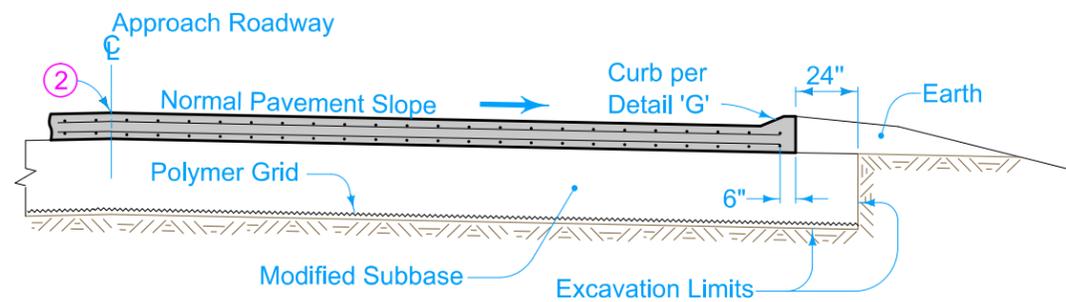
For curb details, see Detail 'G'.

All transverse bars are #5.

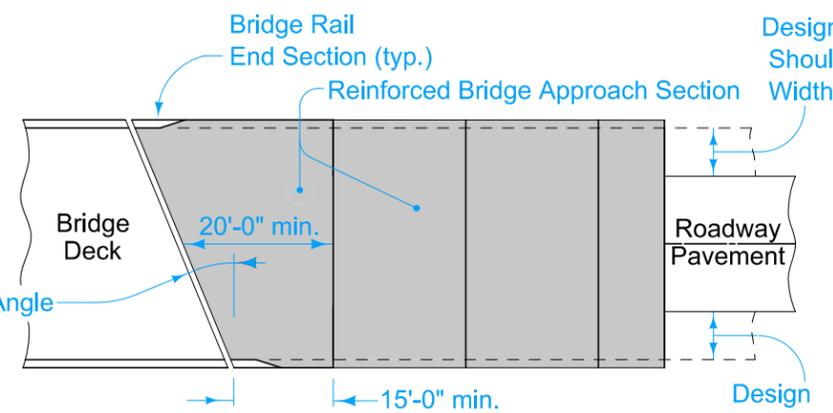
Use epoxy coated bars for all reinforcement.

Quantities for both the 1'-9" top part of the sleeper slab and the 6'-3" portion under the approach pavement have been included in the double reinforced section quantities.

- ① Build 4 inch Sloped Curb to end of Reinforced Sections.
- ② Longitudinal Joint (PV-101):  
Single Pour - Saw cut joint per Detail B.  
Two Pours - Use 'KS-1' joint (Single Reinforced Section).  
Use 'KS-2' joint (Double Reinforced Section).
- ③ Polymer Grid and excavation limits of Modified Subbase 2 feet outside of pavement edge.
- ④ Slope subdrain to drain.
- ⑤ Place an "X" in the plastic concrete near the 'EF' joint at the outside edge of pavement.
- ⑥ ¼ inch Preformed Joint Filler and seal top.
- ⑦ See Detail 'C'.



SECTION A-A



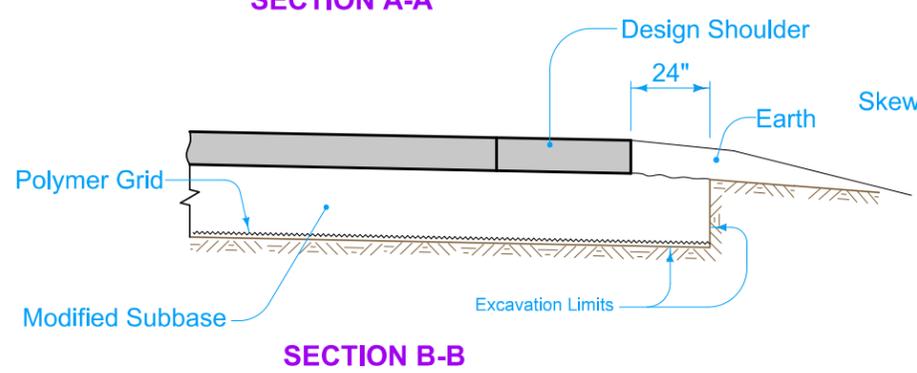
APPROACH PAVEMENT LAYOUT AT A SKEW

Possible Contract Item:  
Bridge Approach, BR-205  
Longitudinal Grooving in Concrete, Bridge Deck  
Longitudinal Grooving in Concrete, Pavement

Possible Tabulation:  
112-6

Pay limits for contract item include the following areas:

- Double Reinforced Section
- Sleeper Beam Section
- Single Reinforced Section
- Non-Reinforced Section



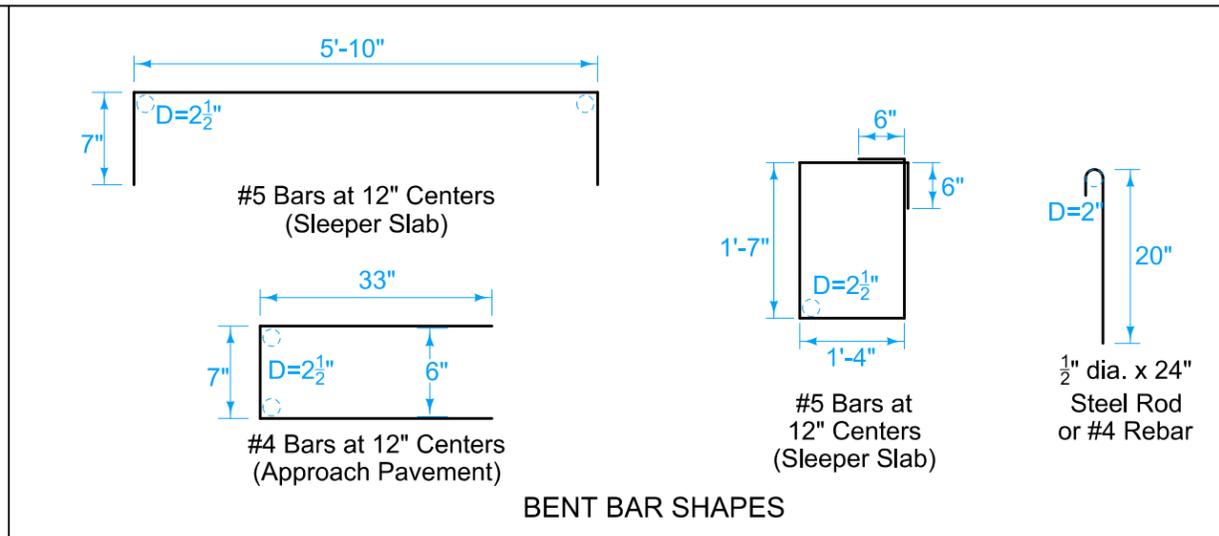
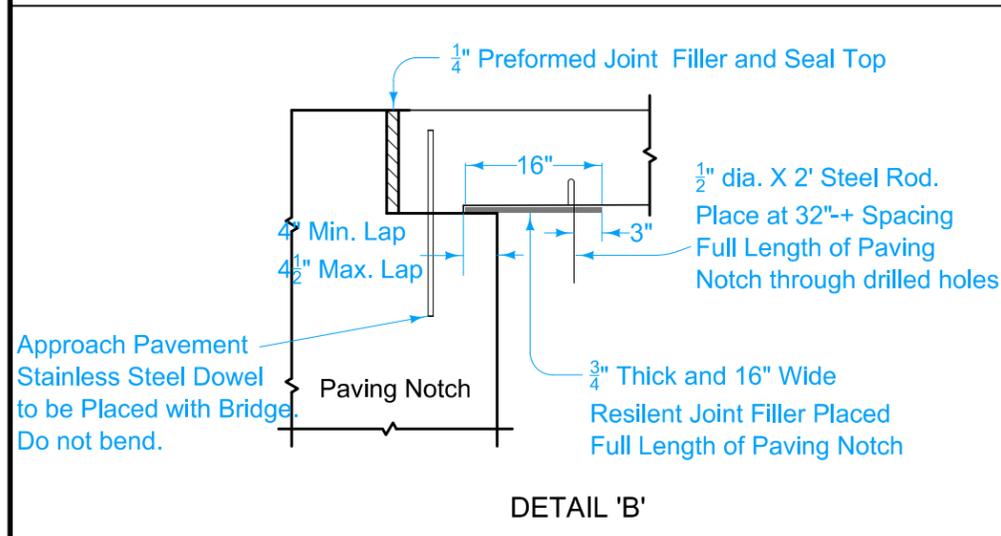
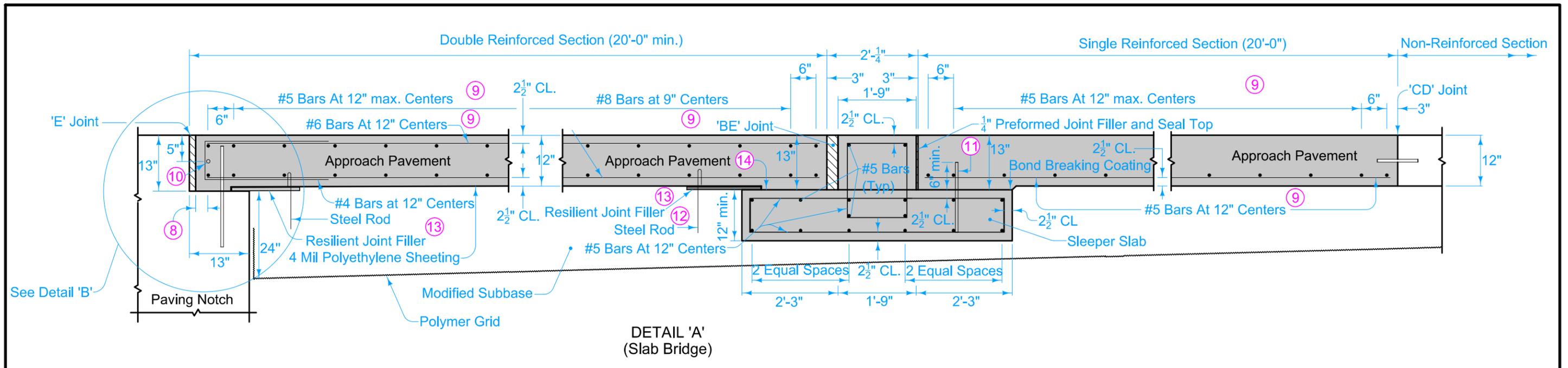
SECTION B-B

	REVISION	
	9	10-15-24
BR-205		
SHEET 1 of 4		

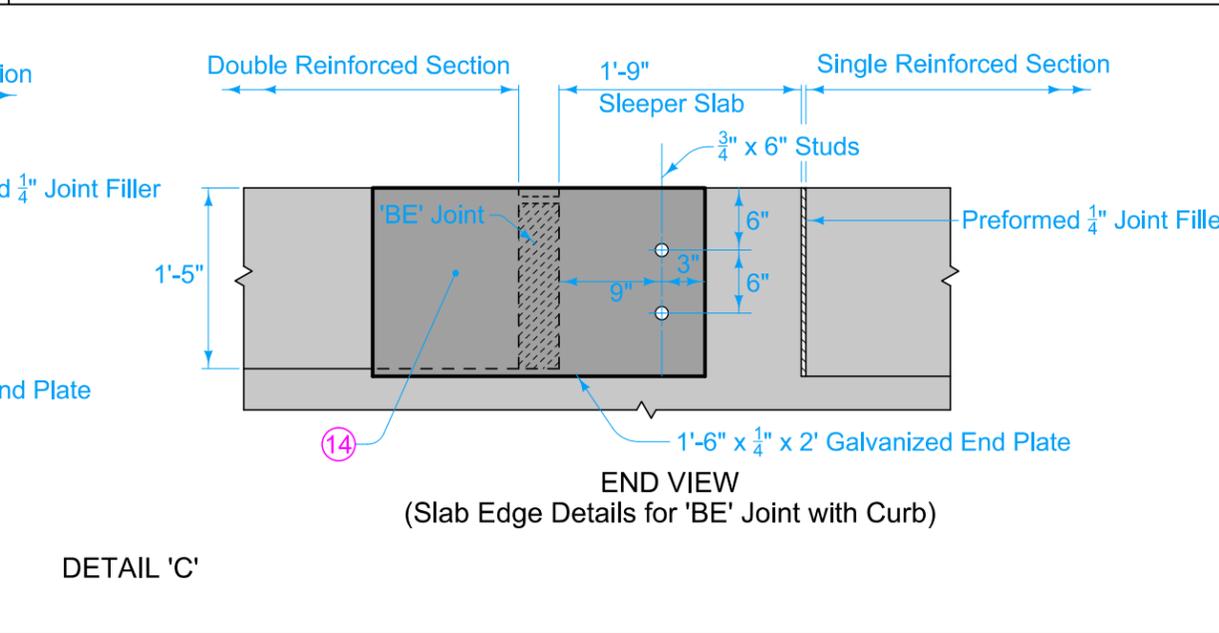
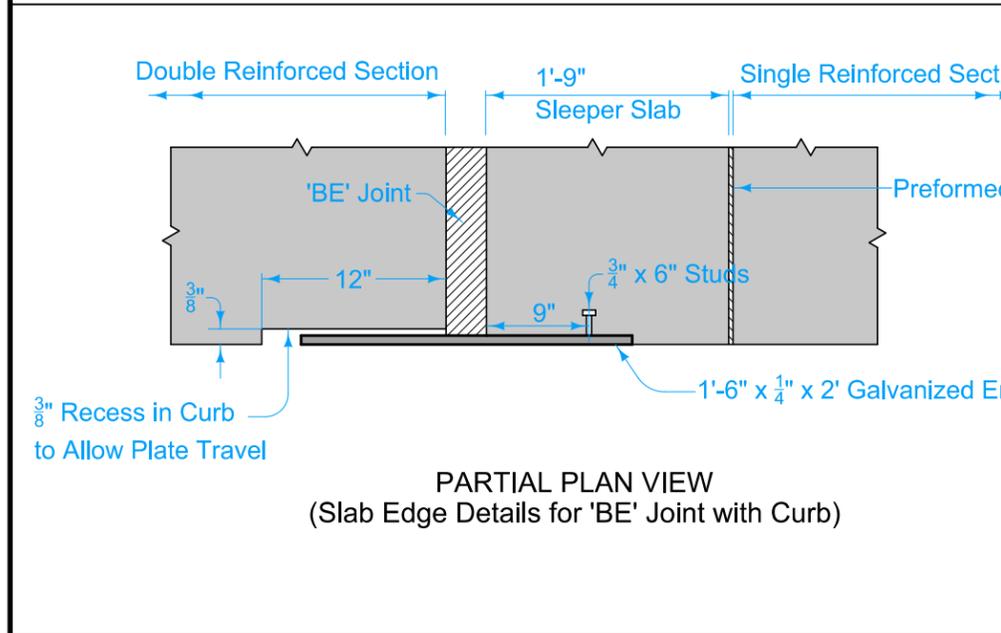
REVISIONS: Added Longitudinal Grooving in Concrete to possible contract item. Removed notes pertaining to shoulders. Added 'BE' joint detail.

*Shawn Miller*  
APPROVED BY DESIGN METHODS ENGINEER

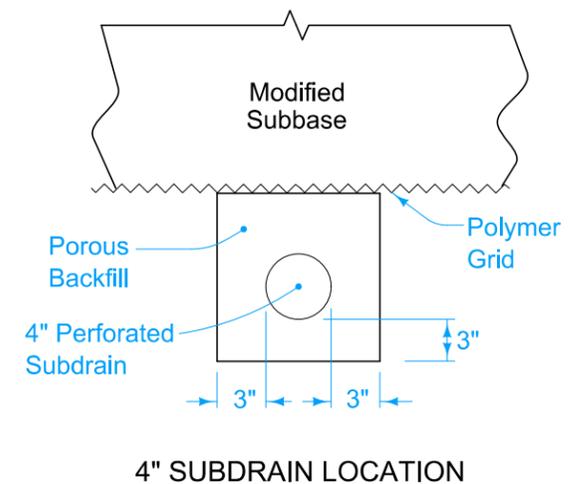
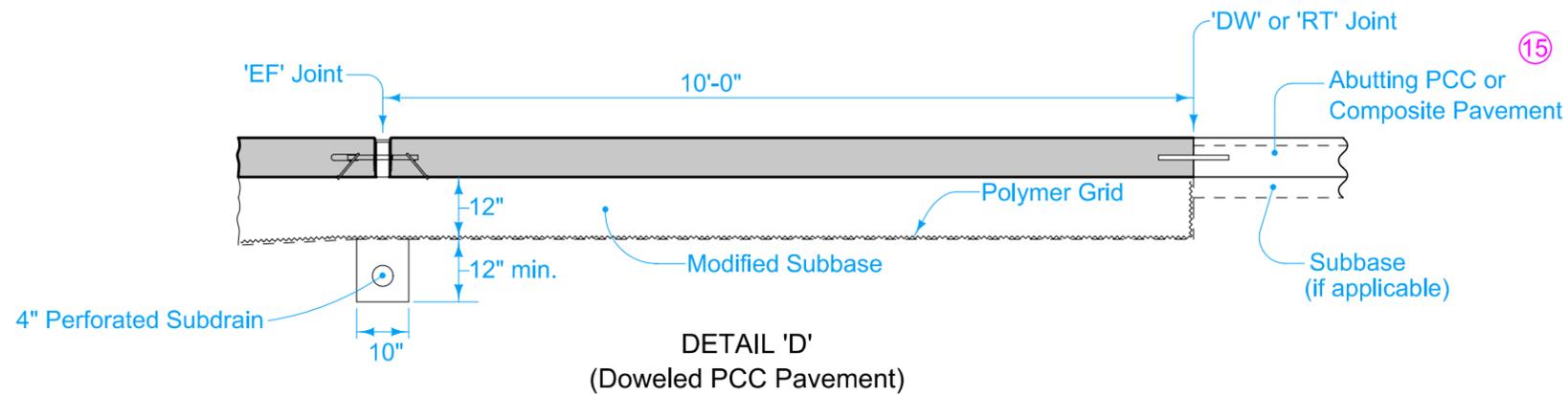
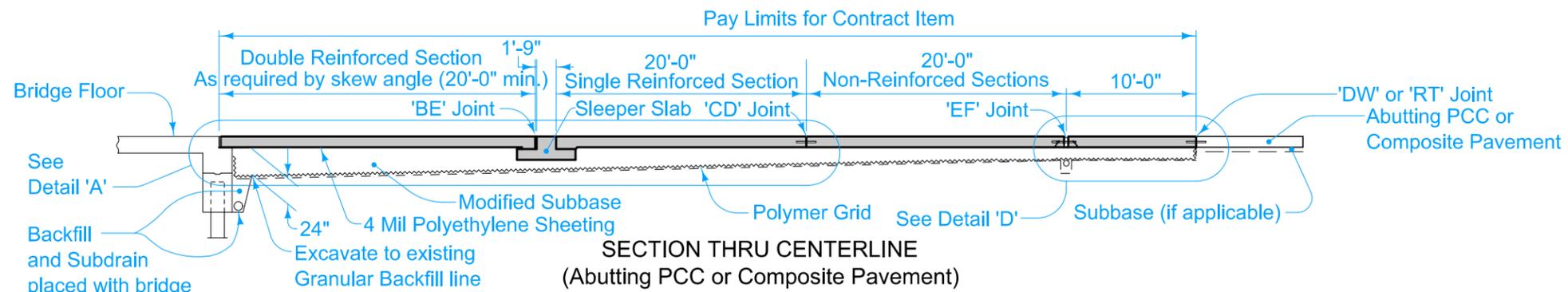
DOUBLE REINFORCED 12" APPROACH  
(SLAB BRIDGE)



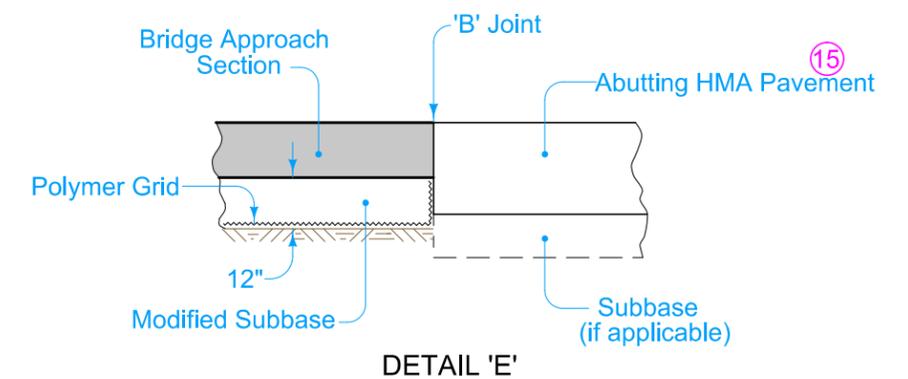
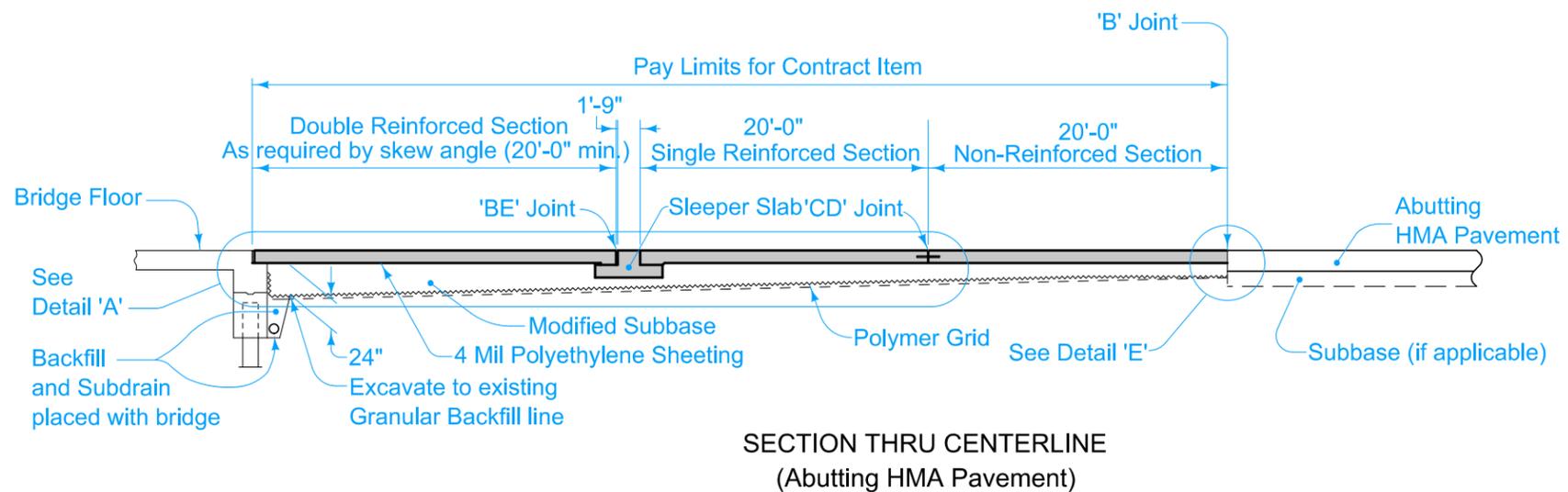
- ⑧ 2" min. to 2 1/2" max. clear to bent bar.
- ⑨ Minimum lap length: #5 Bars - 18"  
#6 Bars - 27"  
#8 Bars - 48"
- ⑩ If bridge is skewed, place additional #5 bar parallel to skewed face.
- ⑪ #8 dowels 1'-6" long with 2 1/2 inch bottom end clearance. Space at 24 inches O.C.
- ⑫ Space at 32" + for full length of Sleeper Slab.
- ⑬ 3/4 inch thick x 16 inch wide Resilient Joint Filler for full length of Sleeper Slab.
- ⑭ Debond Paving Notch with 2 layers of 30# Asphaltic Felt Paper full length.



 <b>STANDARD ROAD PLAN</b>	REVISION	
	9	10-15-24
<b>BR-205</b>		
SHEET 2 of 4		
REVISIONS: Added Longitudinal Grooving in Concrete to possible contract item. Removed notes pertaining to shoulders. Added 'BE' joint detail.		
 APPROVED BY DESIGN METHODS ENGINEER		
<b>DOUBLE REINFORCED 12" APPROACH</b> <b>(SLAB BRIDGE)</b>		



15 If abutting pavement (PCC or HMA) is not in place, refer to BR-213.

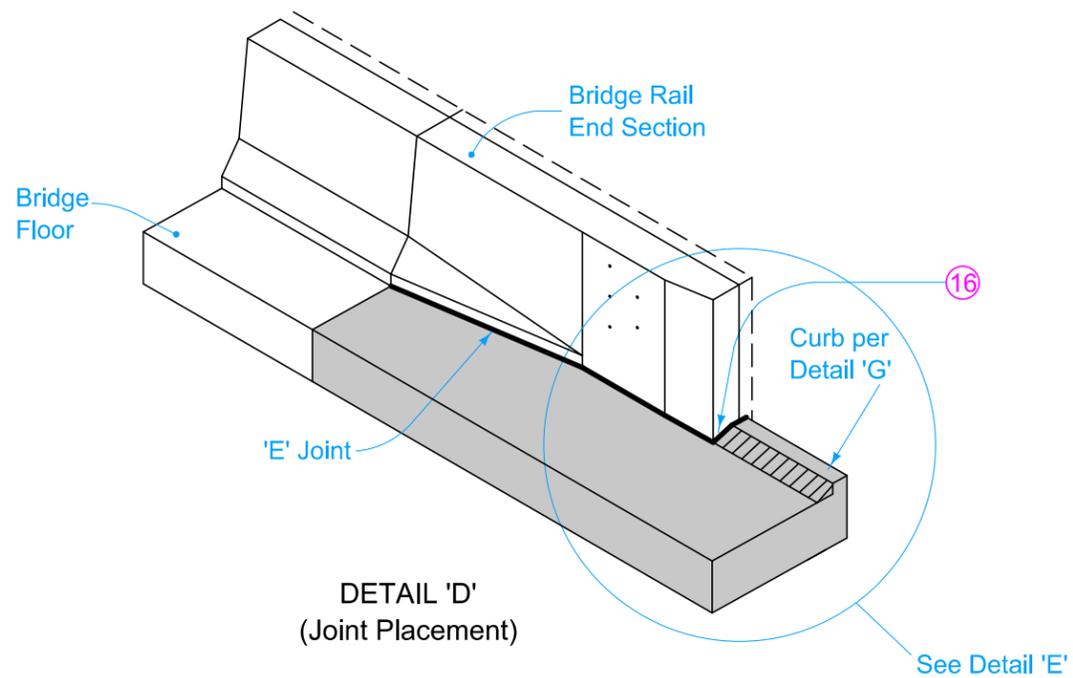


<b>IOWA DOT</b> <b>STANDARD ROAD PLAN</b>	REVISION
	9   10-15-24
	<b>BR-205</b>
SHEET 3 of 4	

REVISIONS: Added Longitudinal Grooving in Concrete to possible contract item. Removed notes pertaining to shoulders. Added 'BE' joint detail.

*Shawn Miller*  
APPROVED BY DESIGN METHODS ENGINEER

**DOUBLE REINFORCED 12" APPROACH  
(SLAB BRIDGE)**



16 Joint at end of Bridge Rail End Section: Place joint filler the full depth of the bridge approach pavement. In areas with curb, place full depth of pavement plus curb and shape material to fit the shape of the curb per Section B-B of PV-101. Seal joint per Detail F of PV-101.

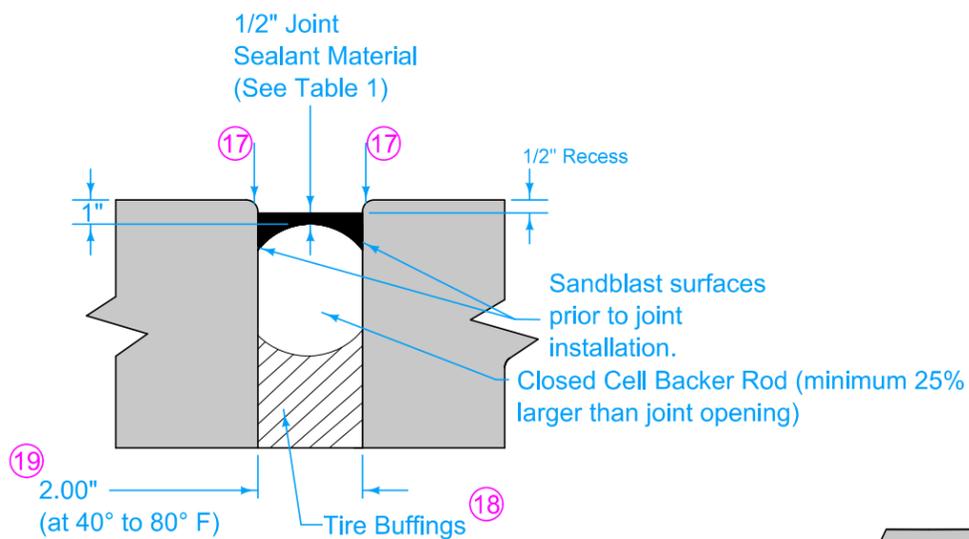
- Fixed Abutment Bridges: Type 'E' Joint.
- Moveable Abutment Bridges: Flexible Foam Expansion Joint Filler complying with Section 4136 of the Standard Specifications. Set width of gap to 2 inches. Joint length as required to completely fill from back side of curb to front face of bridge wing.

17 Edge with 1/4 inch tool for length of joint indicated if formed edging not required when cut with diamond blade saw.

18 Compact tire buffings by spading with a square-nose shovel. Tire buffings shall not be larger than 1/2 inch.

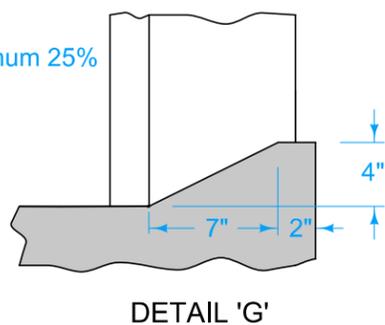
19 Setting Width Notes:

- Width is perpendicular to abutment.

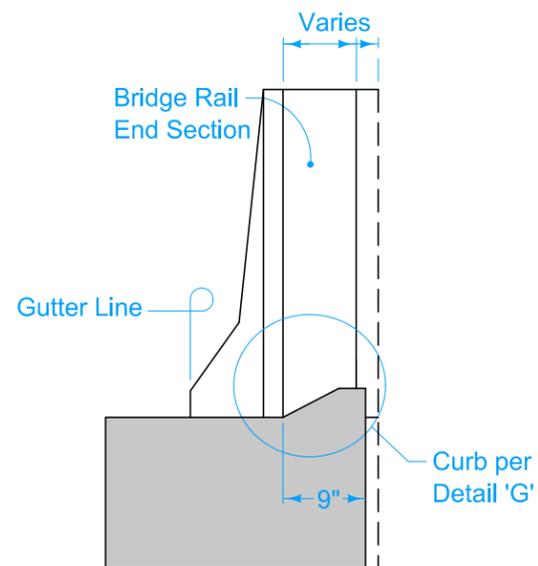


'BE' JOINT DETAIL

Table 1
Approved List of Sealant
Dow - Dowsil 902 RCS
Sika - Sikasil 728 RCS
Watson Bowman Acme - Wabo SiliconeSeal
Pecora - 322FC



DETAIL 'G'



DETAIL 'E'  
(Back of Curb Placement)

	REVISION
	9   10-15-24
STANDARD ROAD PLAN	BR-205
	SHEET 4 of 4
REVISIONS:	Added Longitudinal Grooving in Concrete to possible contract item. Removed notes pertaining to shoulders. Added 'BE' joint detail.
APPROVED BY DESIGN METHODS ENGINEER	
<b>DOUBLE REINFORCED 12" APPROACH (SLAB BRIDGE)</b>	