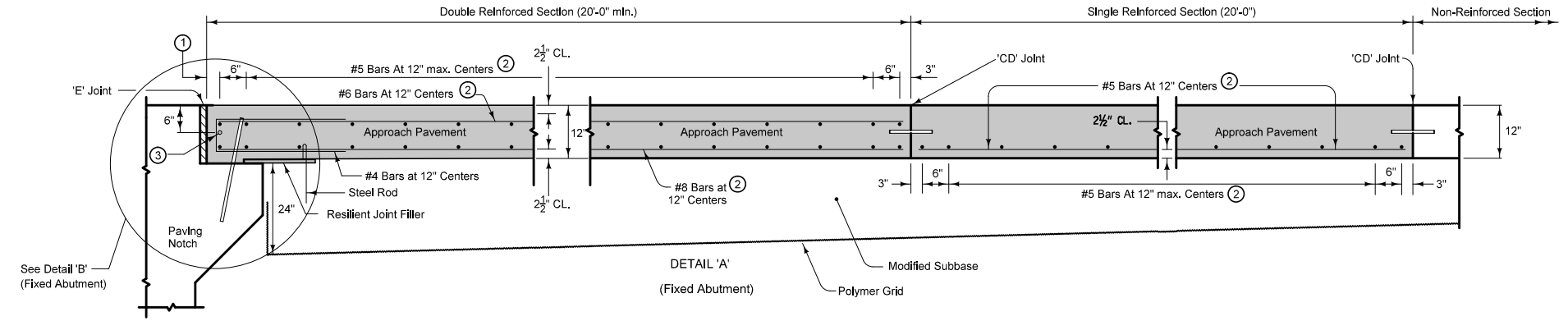
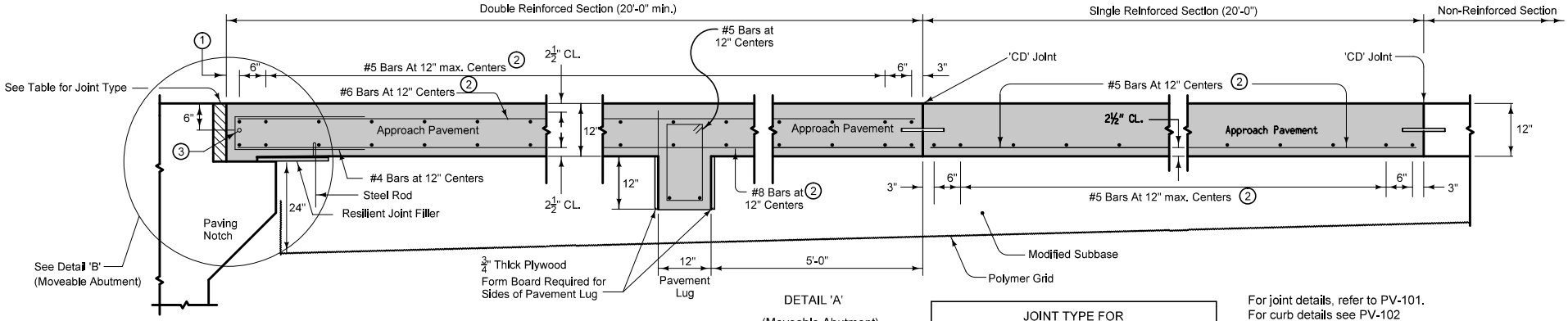




JOINT TYPE FOR MOVEABLE ABUTMENT BRIDGES		
Joint	Maximum Bridge Length	
	Concrete Beam or Slab	Steel Girder
CF-1	370'	250'
CF-2	465'	320'
CF-3	575'	400'

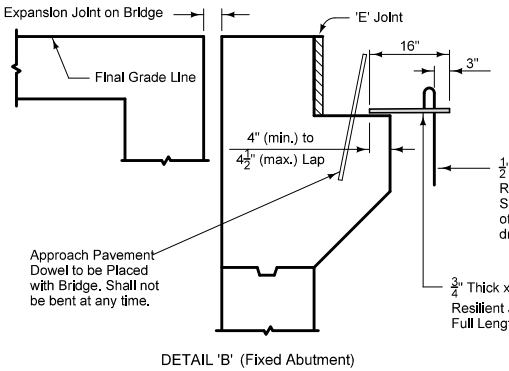
For joint details, refer to PV-101.
For curb details see PV-102

All transverse bars are #5.

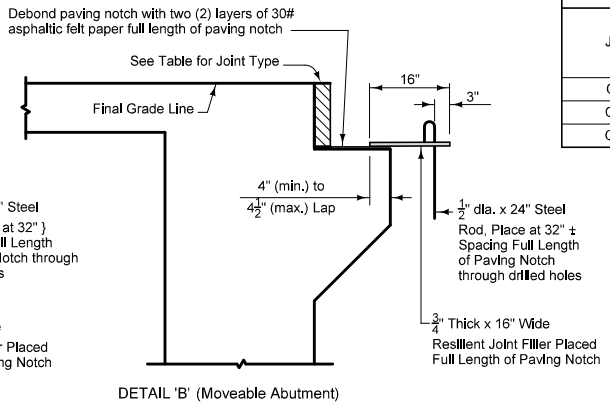
Possible Contract Item:

Bridge Approach, RK-20

Possible Tabulation: 112-6



DETAIL 'B' (Fixed Abutment)



DETAIL 'B' (Moveable Abutment)

(1) 2" min. to 2 1/2" max. clear to bent bar.

(2) Minimum lap length: #5 Bars - 18"
#6 Bars - 27"
#8 Bars - 48"

(3) If bridge is skewed, place additional #5 bar parallel to skewed face.

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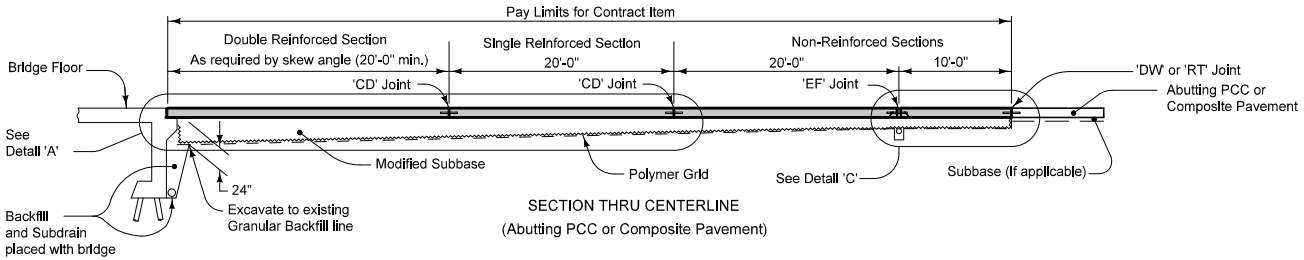
SHEET 1 of 3

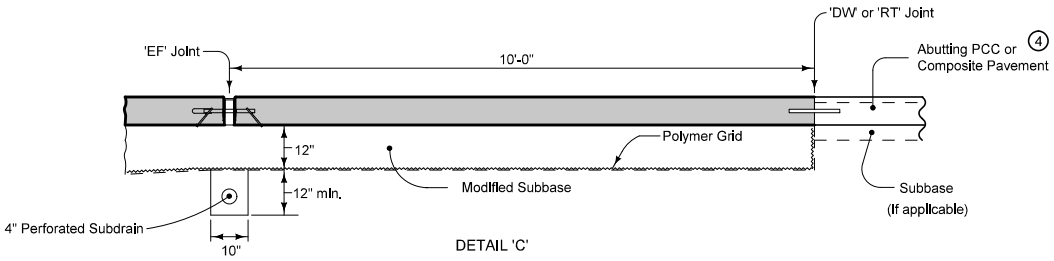
REVISIONS: Redrew top reinforcing mat on sheet 3 to place #8 bars on top of #5 bars.

Deanna Maifield
APPROVED BY DESIGN METHODS ENGINEER

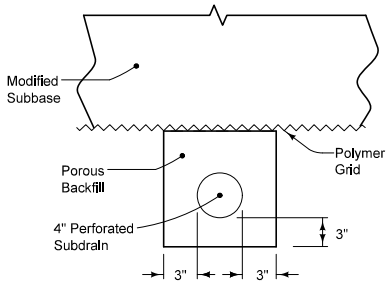
DOUBLE REINFORCED 12" APPROACH



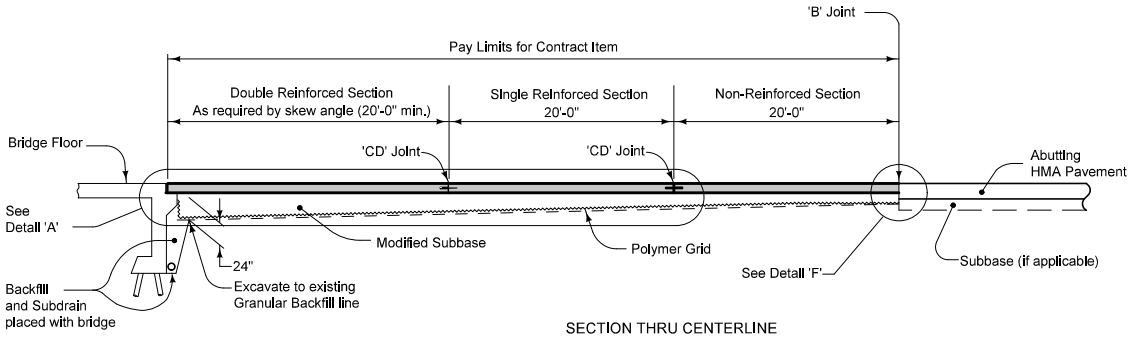
SECTION THRU CENTERLINE
(Abutting PCC or Composite Pavement)



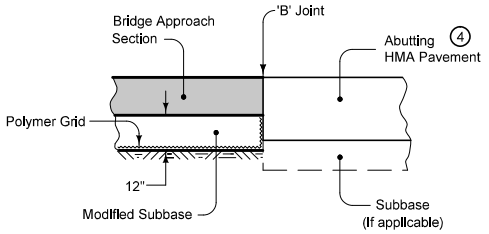
DETAIL 'C'
(Doweled PCC Pavement)



4" SUBDRAIN LOCATION



SECTION THRU CENTERLINE
(Abutting HMA Pavement)



DETAIL 'F'

④ If abutting pavement (PCC or HMA) is not in place, refer to RK-30.

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SHEET 2 of 3

REVISIONS: Redrew top reinforcing mat on sheet 3 to place #8 bars on top of #5 bars.

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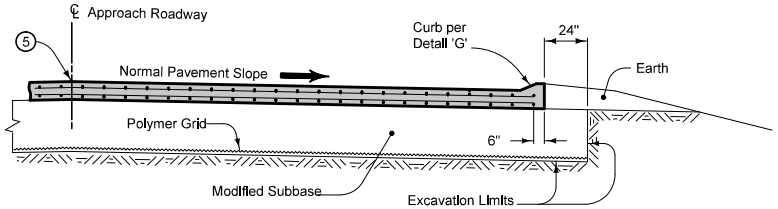
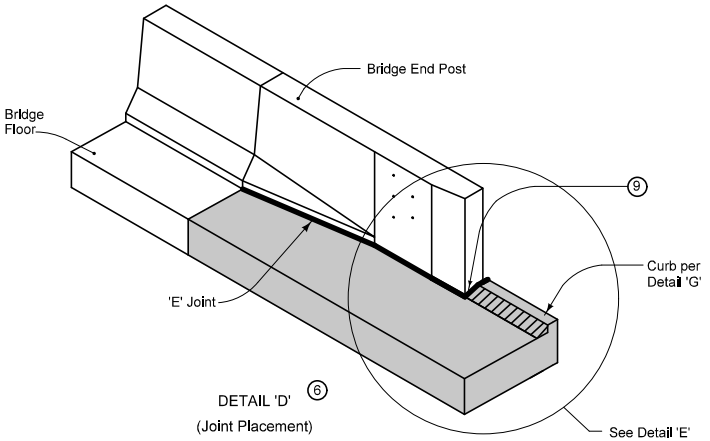
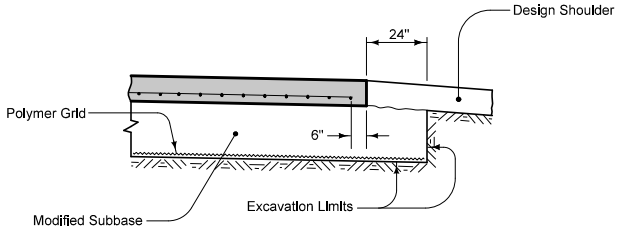
DOUBLE REINFORCED 12" APPROACH



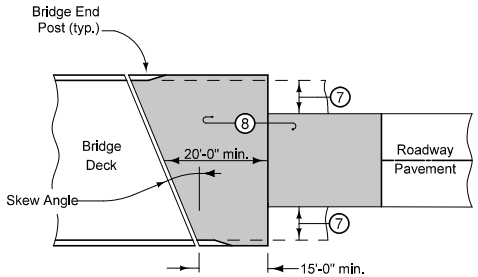
SECTION A-A (6)



DETAIL 'D' (6)
(Joint Placement)



SECTION B-B (6)



APPROACH PAVEMENT
LAYOUT AT A SKEW

(5) Longitudinal Joint: (PV-101)
Single pour - Saw cut joint per Detail B.
Two pours - Use 'KS-2' Joint

(6) Refer to RK-21, RK-22, or RK-23.

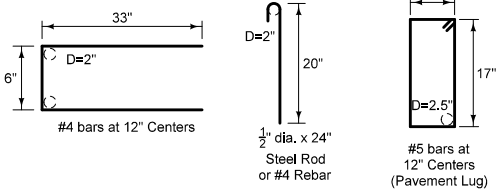
(7) Design shoulder width.

(8) Reinforced bridge approach section.

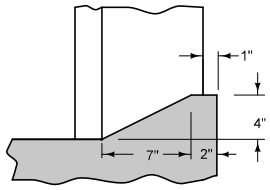
(9) Expansion joint at end of bridge end post: Place joint filler the full depth of the bridge approach pavement. In areas with curb, place full depth of pavement plus curb and shape material to fit the shape of the curb per Section B-B of PV-101. Seal joint per Detail F of PV-101.

- Fixed Abutment Bridges:Type 'E' Joint

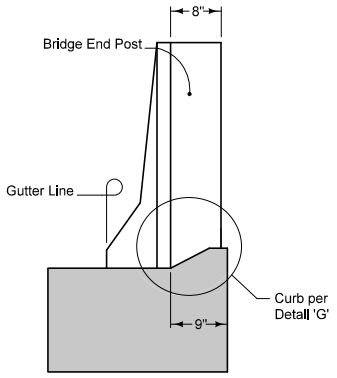
- Moveable Abutment Bridges: Flexible Foam Expansion Joint Filler in accordance with Specification Section 4136. Minimum filler width is the abutment 'CF' joint width. Joint length as required to completely fill from back side of curb to front face of bridge wing.



BENT BAR SHAPES



DETAIL 'G'



DETAIL 'E'
(Back of Curb Placement)

Iowa Department of Transportation

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SHEET 3 of 3

REVISIONS: Redrew top reinforcing mat on sheet 3 to place #8 bars on top of #5 bars.

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DOUBLE REINFORCED 12" APPROACH