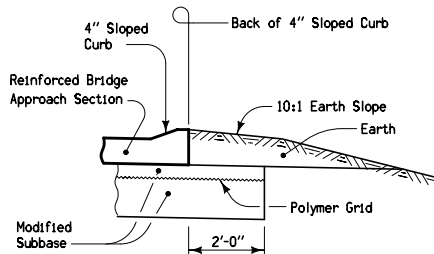
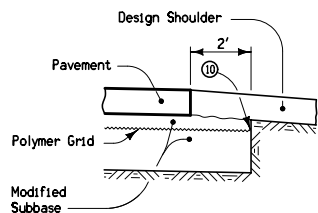


SECTION A-A

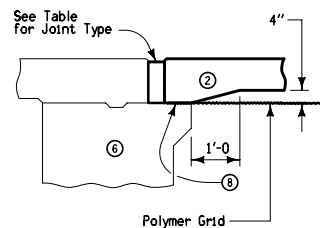


SECTION B-B

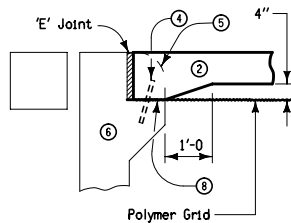


SECTION C-C

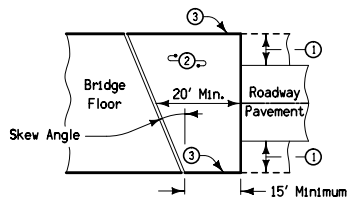
JOINT TYPE FOR MOVABLE ABUTMENT BRIDGES		
Joint	Concrete Beam Maximum Bridge Length	Steel Girder Maximum Bridge Length
CF-1	370'	250'
CF-2	465'	320'
CF-3	575'	400'



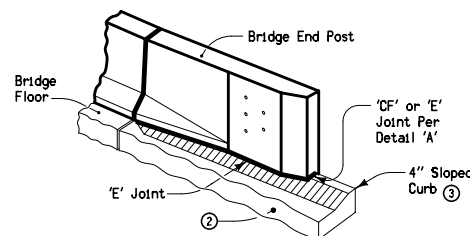
DETAIL 'A'  
Movable Abutment Bridge



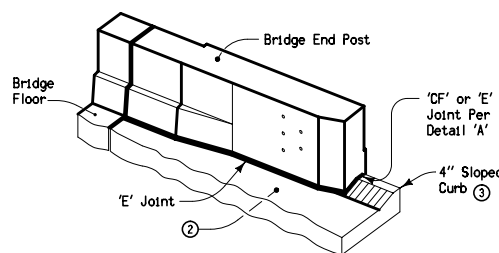
DETAIL 'A'  
Fixed Abutment Bridge



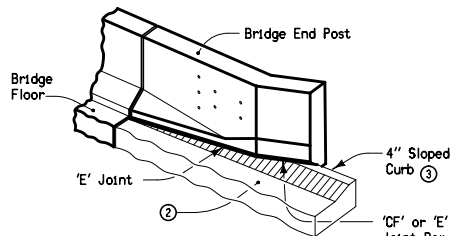
TWO LANE APPROACH PAVEMENT LAYOUT AT A SKEW



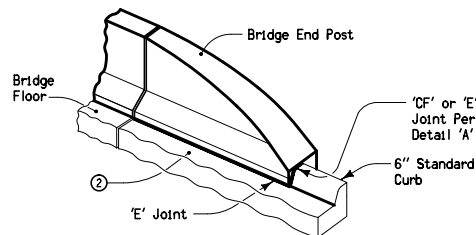
DETAIL 'C'  
Five Hole Bridge End Post



DETAIL 'C'  
Retrofit Bridge End Post



DETAIL 'C'  
Flared Bridge End Post



DETAIL 'C'  
Low Speed Bridge End Post

CURB ALIGNMENT and JOINT PLACEMENT

Sections and details apply to Standard Road Plans RK-16 and RK-19B through RK-19J.

- ① Design Shoulder width.
- ② Reinforced Bridge Approach Section.
- ③ Build 4" Sloped Curb.
- ④ Reinforcing Bar.
- ⑤ Temporary paving block removed by paving contractor.
- ⑥ Bridge Abutment.
- ⑦ Longitudinal Joint: (PV-1)  
Single pour - Saw cut joint per Detail B.  
Two pours - Use 'KS-1' joint.
- ⑧ Secure polymer grid on top of paving notch.
- ⑨ Extend polymer grid to 2' outside edge of pavement.
- ⑩ Trim fabric to edge of excavation.
- ⑪ If bridge is skewed, place additional #5 bar parallel to skewed face.
- ⑫ T = 10 inches.

Possible Contract Item:  
Bridge Approach, RK-19

Possible Tabulation:  
112-6

 Iowa Department of Transportation	REVISION
	15 04-20-10
	<b>RK-19A</b>
SHEET 1 of 1	

REVISIONS: Updated references to renamed standards. Revised reinforcement. Removed curb placement top view detail.

*Deanna Maiford*  
APPROVED BY DESIGN METHODS ENGINEER

**BRIDGE APPROACH SECTION  
(GENERAL DETAILS)**