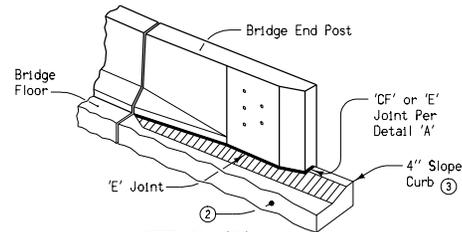
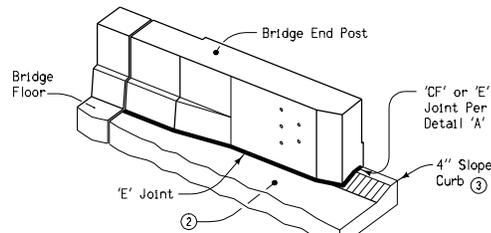


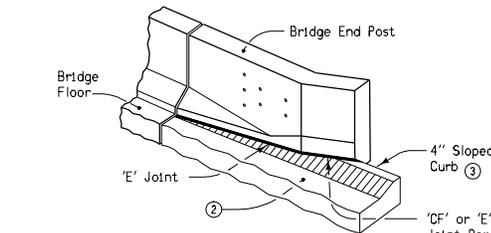
SECTION A-A



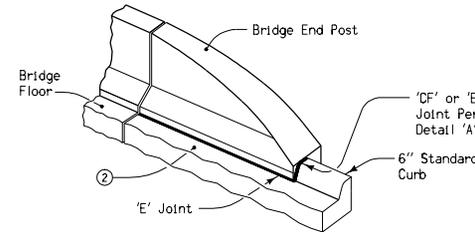
DETAIL 'C'  
Five Hole Bridge End Post



DETAIL 'C'  
Retrofit Bridge End Post



DETAIL 'C'  
Flared Bridge End Post

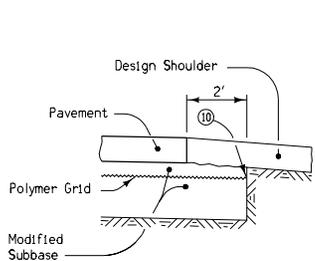


DETAIL 'C'  
Low Speed Bridge End Post

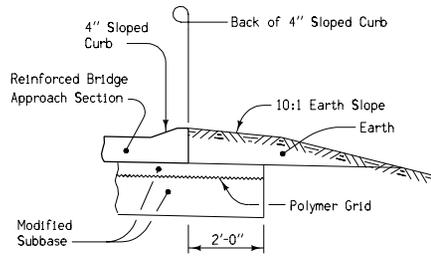
Sections and details apply to Standard Road Plans RK-16 and RK-19B through RK-19J.

Contract Item:  
Bridge Approach, RK-19  
Tabulation: 112-6

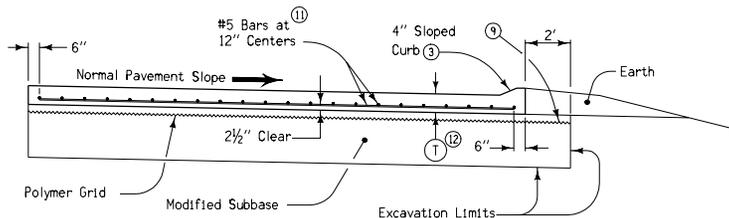
- ① Design Shoulder width.
- ② Reinforced Bridge Approach Section.
- ③ Build 4" Sloped Curb.
- ④ Reinforcing Bar.
- ⑤ Temporary paving block removed by paving contractor.
- ⑥ Bridge Abutment.
- ⑦ Longitudinal Joint: (Standard Road Plan RH-51)  
Single pour - Saw cut joint per Detail B.  
Two pours - 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.



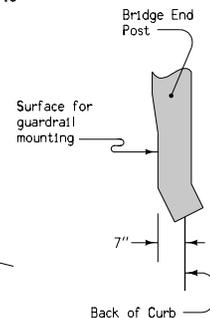
SECTION C-C



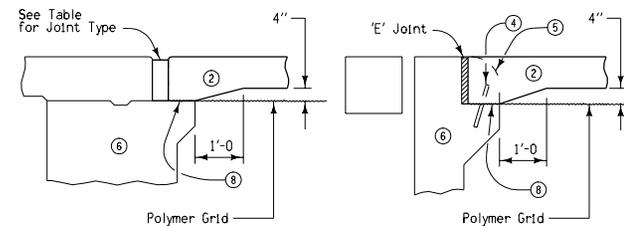
SECTION B-B



SECTION D-D

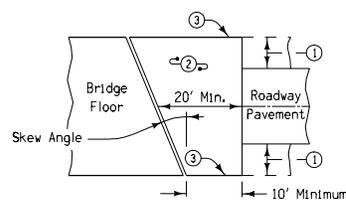


CURB PLACEMENT  
DETAIL  
Top View



DETAIL 'A'  
Movable Abutment Bridge

DETAIL 'A'  
Fixed Abutment Bridge



TWO LANE APPROACH PAVEMENT  
LAYOUT AT A SKEW

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'

**Iowa Department of Transportation**  
Highway Division

**STANDARD ROAD PLAN RK-19A**

REVISION: Add contract item and CF joint table. REVISION NO. 13

APPROVED BY DESIGN METHODS ENGINEER  
*William J. Allen*  
REVISION DATE 10-18-05

BRIDGE APPROACH SECTION  
(GENERAL DETAILS)