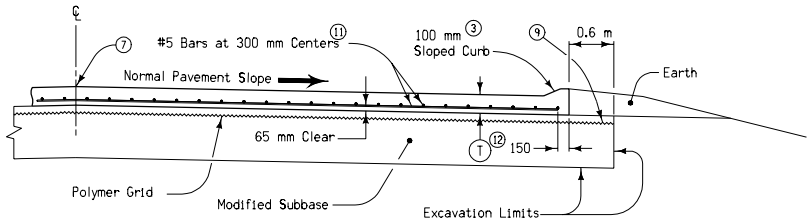
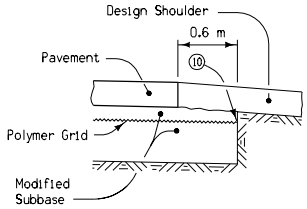
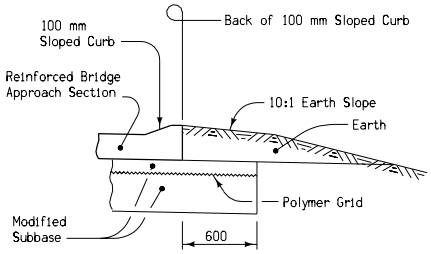


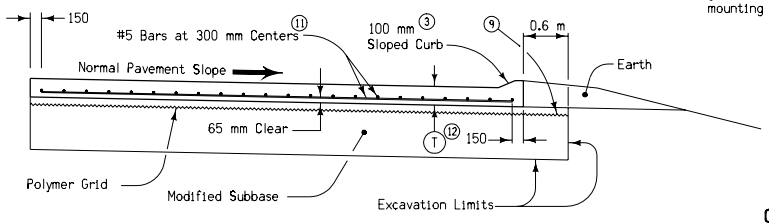
SECTION A-A



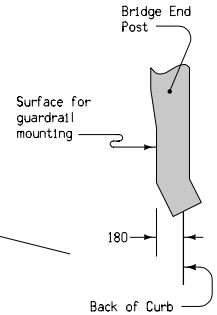
SECTION C-C



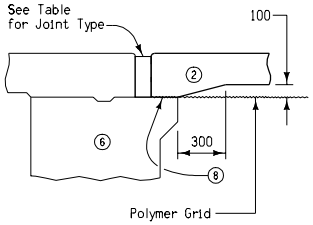
SECTION B-B



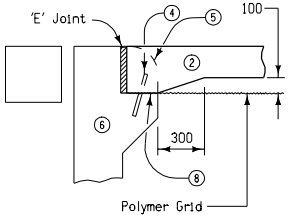
SECTION D-D



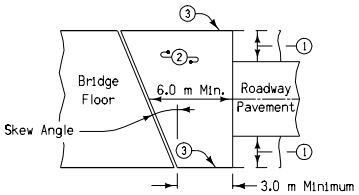
CURB PLACEMENT
DETAIL
Top View



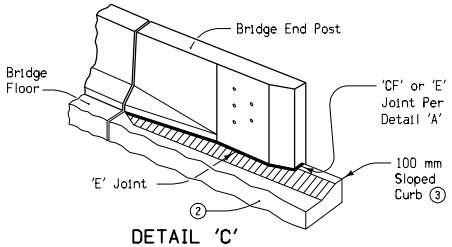
DETAIL 'A'
Movable Abutment Bridge



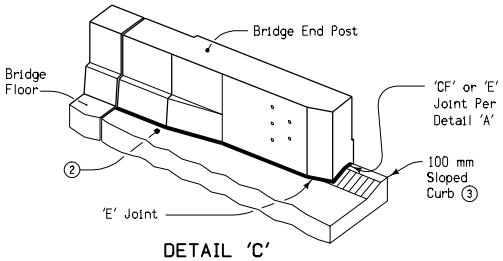
DETAIL 'A'
Fixed Abutment Bridge



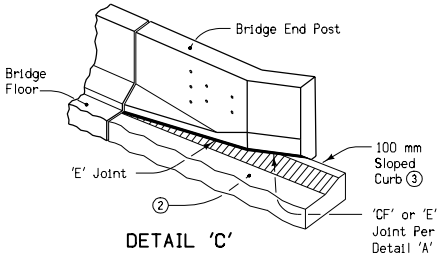
TWO LANE APPROACH PAVEMENT
LAYOUT AT A SKEW



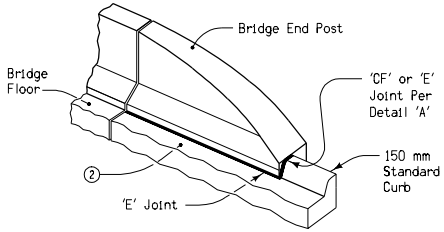
DETAIL 'C'
Five Hole Bridge End Post



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.

Contract item:

Bridge Approach, RK-19

Tabulation: 112-6

1. Design Shoulder width.
2. Reinforced Bridge Approach Section.
3. Build 100 millimeter 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 0.6 meters outside edge of pavement
10. Trim fabric to edge of excavation.
11. If bridge is skewed, place additional #15 bar parallel to skewed face.
12. T = 250mm.

JOINT TYPE FOR
MOVABLE ABUTMENT BRIDGES

Joint	Concrete Beam Maximum Bridge Length	Steel Girder Maximum Bridge Length
CF-1	112.5 m	76.2 m
CF-2	141.7 m	97.5 m
CF-3	175.3 m	121.9 m

All dimensions given in millimeters unless noted.

M

METRIC VERSION

Iowa Department of Transportation
Highway Division

STANDARD ROAD PLAN **RK-19A**

REVISION: Add contract item and CF joint table.

REVISION NO. 13

REVISION DATE 10-18-05

William J. Stein
APPROVED BY DESIGN METHODS ENGINEER

BRIDGE APPROACH SECTION
(GENERAL DETAILS)