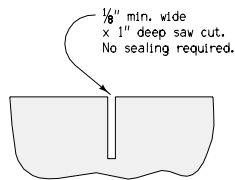
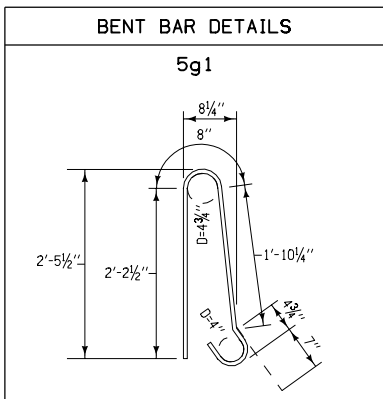


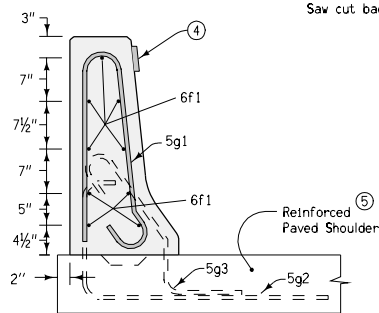
ELEVATION

ESTIMATED QUANTITIES FOR BARRIER Per Linear Foot	
Concrete - Cu. Yds.	0.12
Reinforcing Steel - Lbs.	17.5

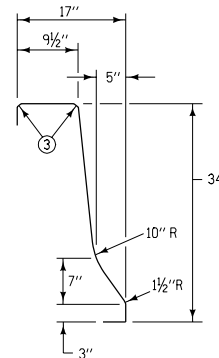
REINFORCING BAR LIST Per Section (Approximately 20')		
Bar	Number of Bars	Length
5g1	15	5'-8½"
6f1	9	19'-4"



SAWED  
CONTRACTION JOINT  
Saw cut top and front face.  
Saw cut back if exposed.



SECTION A-A



BARRIER FACE DETAILS

Reinforcing bars shall be epoxy-coated, Grade 60. Minimum cover is 2 inches. Reinforcement shall be anchored to prevent movement. Each section shall be secured at the front, back, and at 3'-6" intervals. Method of anchorage shall be approved by the Engineer.

- ① Expansion joints are necessary only where specifically required by project plans. Expansion material shall conform to the shape of the barrier. No sealer is required.
- ② Contraction joints shall be sawed as indicated herein. Where abutting sections are placed as separate pours, a butt joint may be used. Longitudinal reinforcement shall extend into the abutting section a minimum of 1'-6". Contraction joint locations shall match pavement joint locations.
- ③ All exposed corners shall be filleted with a ¾" dressed and beveled strip.
- ④ Barrier markers shall be spaced at 100-foot increments in areas with non-continuous lighting, or 250-foot increments in areas with continuous lighting. Marker color shall be the same as adjacent edge line.
- ⑤ Refer to RE-44J for details of 5g2 bars, 5g3 bars, and reinforced paved shoulder.

Contract Item:  
Concrete Barrier, RE-44F  
Tabulation: 108-18B

 Iowa Department of Transportation	REVISION
	1 04-17-07
<b>STANDARD ROAD PLAN</b>	<b>RE-44F</b>
SHEET 1 of 1	
REVISIONS: Updated design. Replaces RE-44F(1). <i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER	
<b>34' CONCRETE BARRIER FOR USE WITH REINFORCED PAVED SHOULDER</b>	