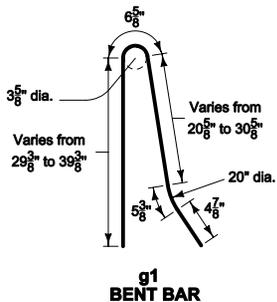


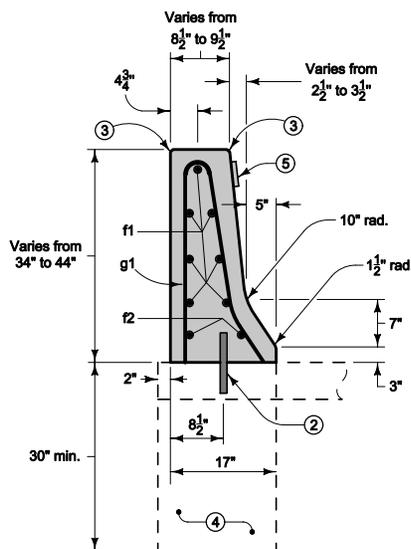
ELEVATION



g1 BENT BAR

REINFORCING BAR LIST for one Transition Section				
Bar	Size	Number of Bars	Length	Weight (lbs.)
g1	5	8	*	53.5
f1	5	7	10'-0"	73.5
f2	5	2	5'-8"	11.8

\* Varies from 5'-7" to 7'-3"



TYPICAL SECTION



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

CONCRETE QUANTITIES  
for one Transition Section  
1.2 cy

Use Grade 60 epoxy-coated reinforcing bars. Provide 2 inch minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3'-6" intervals using a method approved by the Engineer.

- Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 1'-6".
- Use 1 inch diameter deformed dowel bars of sufficient length to ensure 6 inch minimum embedment in barrier and supporting surface. Install dowels either in supporting surface when placed, or in drilled holes using polymer grout complying with Materials I.M. 491.11 or hydraulic cement grout complying with Materials I.M. 491.13.
- Fillet all exposed corners with a 3/4 inch dressed and beveled strip.
- Construct concrete footing when barrier is not placed on concrete slab. Apply Section 2403.03, but the use of forms is optional. If forms are used, place backfill around the completed footing.
- Place barrier markers at 100 foot increments in areas with non-continuous lighting, or 250 foot increments in areas with continuous lighting. Marker color to be the same as adjacent edge line.

Possible Contract Item:  
Concrete Barrier, BA-105 or  
Concrete Barrier, BA-105 and Footing

Possible Tabulation:  
108-18B

 Iowa Department of Transportation	REVISION
	New 04-20-10
<b>STANDARD ROAD PLAN</b>	<b>BA-105</b>
REVISIONS: New. Replaces RE-44G.	SHEET 1 of 1

APPROVED BY DESIGN METHODS ENGINEER  
*Deanna McFalls*  
**34" TO 44" CONCRETE BARRIER  
TRANSITION SECTION**