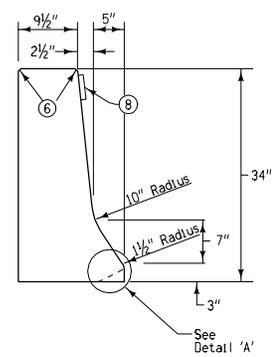
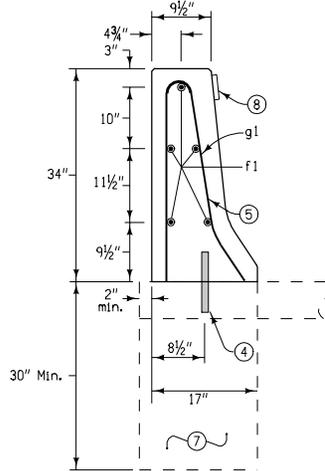


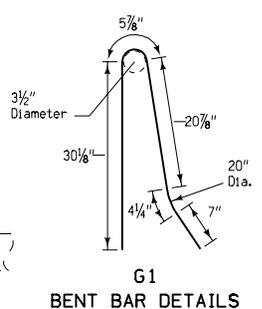
ELEVATION



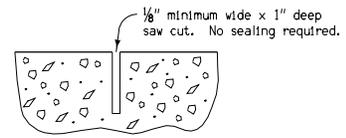
BARRIER FACE DETAILS



SECTION A-A



BENT BAR DETAILS



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

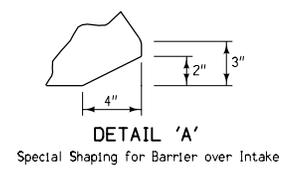
- ① Expansion Joints are necessary only where specifically required by project plans and the expansion material shall conform to shape of barrier. No sealer is required.
- ② Contraction Joints shall be sawed as indicated hereon. Where abutting sections are placed as separate pours, a butt joint may be used. Longitudinal reinforcement shall extend into the abutting section a minimum of 1'-6". For barrier doweled to paved shoulders, match pavement joints. For free standing barrier with integral footings, use 20 foot maximum, 15" minimum joint spacing.
- ③ When connecting to RE-44G or RE-44H, include 4 additional #5 bars embedded minimum 3' into barrier.
- ④ 1 inch diameter deformed bars of sufficient length to ensure 6 inch minimum embedment in rail and supporting surface. Dowel shall be either installed in supporting surface when placed or installed in drilled holes using polymer grout or hydraulic cement grout.
- ⑤ Use minimum cover of 2 inches for rebars.
- ⑥ All exposed corners shall be filleted with a 3/4" dressed and beveled strip.

- ⑦ Concrete footing required when not placed on concrete slab. If footings are required, excavation shall be to neat lines. The footings may be poured without the use of forms. The Contractor may, as an option, form the footings and backfill around the completed footing.
- ⑧ Barrier markers to be spaced at 250 foot increments in areas with continuous lighting, 100 foot increments in areas with non-continuous lighting. Color shall be the same as adjacent edgeline.
- ⑨ Barrier reinforcement shall be anchored to prevent movement. Each section shall be secured at the front, back, and at 4 foot intervals. Method of anchorage shall be approved by the Engineer.

Contract Item:
Concrete Barrier, RE-44E or
Concrete Barrier, RE-44E and Footing
Tabulation: 108-18B

CONCRETE QUANTITIES
Per foot
0.10 cy³

REINFORCING BAR LIST				
Per Section (Approx. 20 feet)				
Mark	Size	Number of Bars	Length	Mass (lbs.)
g1	5	14	5' 8"	83
f1	5	5	19' 6"	98



DETAIL 'A'
Special Shaping for Barrier over Intake

<p>Iowa Department of Transportation</p> <p>STANDARD ROAD PLAN</p> <p>REVISIONS: Removed Materials I.M. References, modified dimensions on Section A-A, and added a bar transition region for tying into other barrier types.</p> <p><i>Deanna Mayfield</i> APPROVED BY DESIGN METHODS ENGINEER</p>	<p>REVISION</p> <p>8 10-17-06</p>
	<p>RE-44E</p> <p>SHEET 1 of 1</p>
	<p>34" CONCRETE BARRIER (HALF SECTION)</p>