

ELEVATION VIEW
(Front Face)

ESTIMATED QUANTITIES FOR BARRIER Per Linear Foot	
Concrete - Cu. Yds.	0.12 ①
Reinforcing Steel - Lbs.	17.5 ②

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

GENERAL NOTES:

Details shown hereon are for the construction of Reinforced Concrete Barrier Half Section connected to Reinforced Paved Shoulder. The 34" high, 9 1/2" top "F-Shape" barrier shall be cast in place or slip-formed. Materials and construction methods used shall be in accordance with current Standard and Supplemental Specifications.

Details shown are typical. Alternate design details may be submitted to the Engineer for approval.

The concrete for the barrier shall be Class "D" Structural concrete placed and finished as specified for "Precast and prestressed Concrete Bridge Units" in the current Standard specifications or by a method approved by the Engineer. All exposed corners 90 degrees or sharper are to be filleted with a 3/4" dressed and beveled strip.

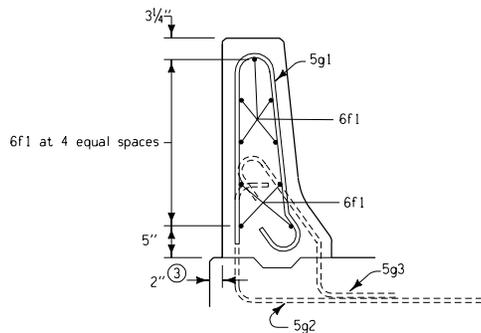
Joints shall be cut in barrier to match transverse joints in the roadway and shoulder. Joint shall be cut 2" in depth on front, top, and back.

All reinforcing bars shall be epoxy coated and be grade 60. Minimum clear distance from face of concrete to the nearest reinforcing bar is to be 2".

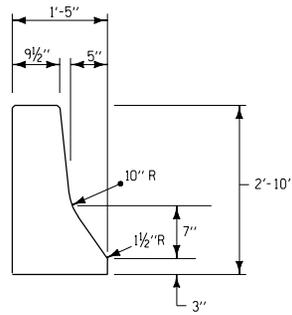
The price bid for "Concrete Barrier, RE-44F", per linear foot, shall be full compensation for the construction of the barrier rail as detailed hereon. This shall include:

- Furnishing and placement structural concrete
- Furnishing joints
- Furnishing and installing epoxy coated reinforcing steel bars 5g1 and 6f1

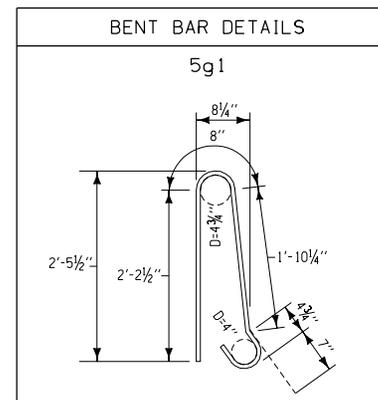
- ① Class 'D' structural concrete.
- ② 5g1 and 6f1 bars.
- ③ 4" dimension to be used in conjunction with Detail Drawing 8208.



SECTION A-A



END VIEW



Iowa Department of Transportation Project Development Division	
STANDARD ROAD PLAN	RE-44F(1)
REVISION: Convert from New Jersey shape to F-shape barrier.	REVISION NO. 3
APPROVED BY: <i>Jay C. Christ</i> 05-24-99	REVISION DATE 09-21-99
CONCRETE BARRIER (REINFORCED HALF SECTION 34" HIGH) (PAGE 1 OF 2)	