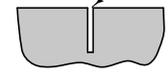


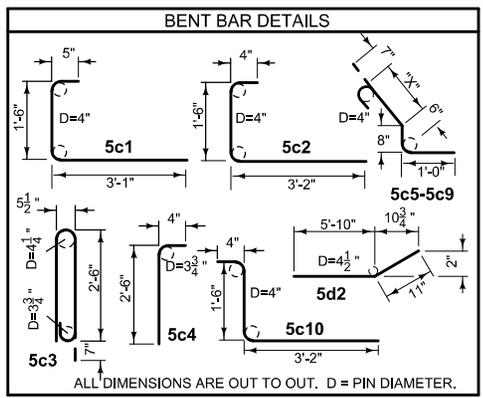
BAR	"X"
5c5	1'-0 3/16"
5c6	1'-2 11/16"
5c7	1'-4 1/8"
5c8	1'-7 5/8"
5c9	1'-10 3/8"

1/8" min. wide x 1" deep saw cut. No sealing required.



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

CONCRETE QUANTITIES
Per End Section
0.62 cy



REINFORCING BAR LIST					
BAR	LOCATION	SHAPE	NO.	LENGTH	WEIGHT
5c1	VERTICAL	L	8	5'	41
5c2	VERTICAL	L	2	5'	10
5c3	VERTICAL	fl	8	6'-1"	50
5c4	VERTICAL	fl	4	2'-10"	12
5c5-5c9	VERTICAL	fl	5	VARIES	19
5c10	VERTICAL	L	5	5'	26
5d1	HORIZONTAL	—	5	6'-8"	34
5d2	HORIZONTAL	—	4	6'-9"	28
5d3	HORIZONTAL	—	1	3'-5"	4
TOTAL WEIGHT (LBS.)					224

Reinforcing bars shall be epoxy-coated, Grade 60. Provide 2 inches minimum cover. Reinforcement shall be anchored to prevent movement. Each section shall be secured at the front, back, and at 3'-6" intervals using a method approved by the Engineer.

- Expansion joints are necessary only where specifically required by project plans. conform expansion material to the shape of the barrier. No sealer is required.
- 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 dowelled to pavement, match pavement joints. For free-standing barrier with integral footings, use 20 foot maximum, 15 foot minimum joint spacing.
- All exposed corners shall be filleted with a 3/4 inch dressed and beveled strip.
- Form holes using 1 inch diameter plastic conduit.
- See BA-106 for details of 5e3 bars, 6e1 bars, and reinforced paved shoulder.

Possible Contract Item:
Concrete Barrier Rail, BA-107

Possible Tabulation:
108-18B

 Iowa Department of Transportation	REVISION
	1 04-19-11
STANDARD ROAD PLAN	BA-107
REVISIONS: Switched 5c1 and 5c2 quantities in the bar table.	SHEET 1 of 1
 APPROVED BY DESIGN METHODS ENGINEER	
CONCRETE BARRIER END SECTION	