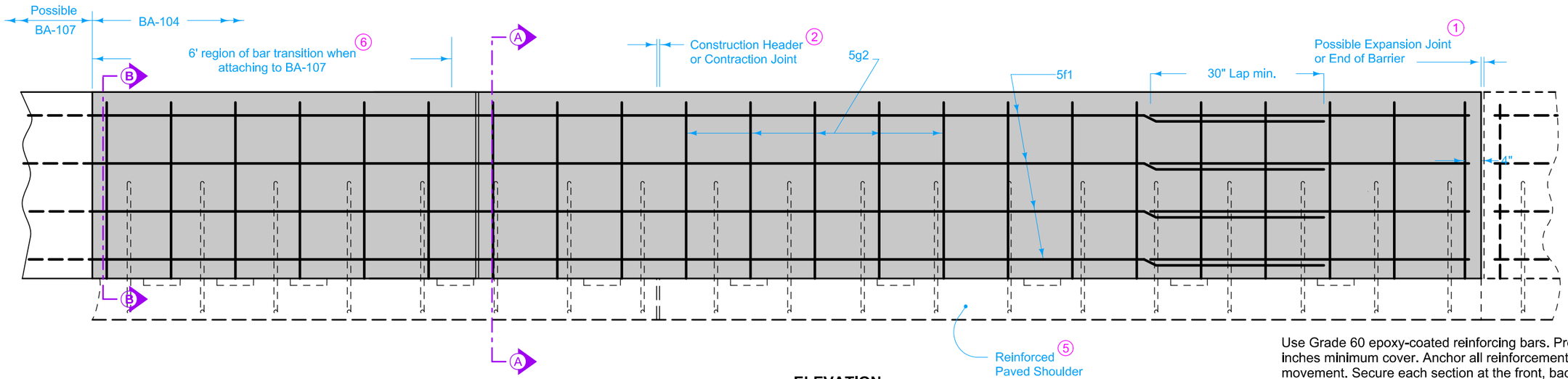
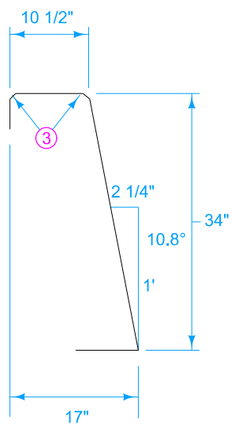
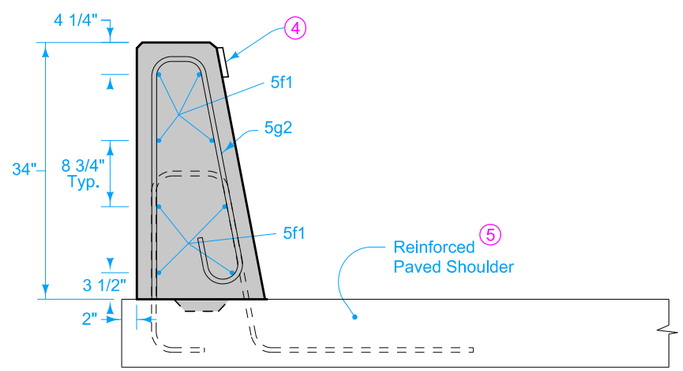


ELEVATION

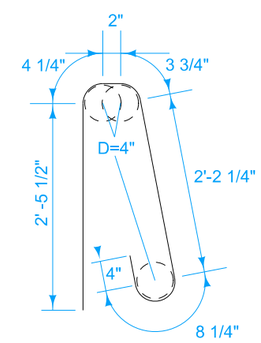
Use Grade 60 epoxy-coated reinforcing bars. Provide 2 inches minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3'-6" intervals using a method approved by the Engineer.



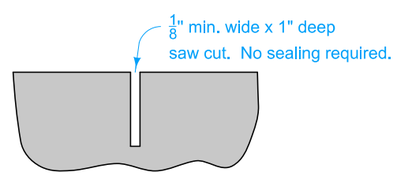
BARRIER FACE



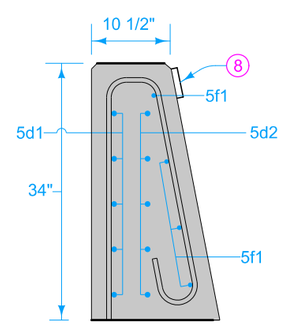
SECTION A-A



5g2
BENT BAR



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



SECTION B-B (6)
When attaching to BA-107

CONCRETE QUANTITIES Per foot
0.12 cy

REINFORCING BAR LIST
Per Section (Approx. 20 feet)

Bar	Size	Number of Bars	Length	Weight (lbs.)	Spacing
5g2	5	20	6'-6"	122	12"
5f1	5	8	20'	204	—
Lap	5	8	2'-6"	3	—

(1) Expansion joints are necessary only where specifically required by project plans. Conform expansion material to the shape of the barrier. No sealer is required.

(2) Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 3 feet. Contraction joint locations shall match pavement joint locations.

(3) Fillet all exposed corners with a $\frac{3}{4}$ inch dressed and beveled strip.

(4) 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.

(5) Refer to **BA-106** for details of 5g2 bars, 5g3 bars, and reinforced paved shoulder.

(6) When connecting to BA-107, include 6 additional #5 bars embedded a minimum of 3 feet into the BA-104 barrier.

Possible Contract Item:
Concrete Barrier, BA-104

Possible Tabulation:
108-18B

IOWA DOT

REVISION	
2	10-18-22

STANDARD ROAD PLAN

BA-104

SHEET 1 of 1

REVISIONS: Changed from F-shape to Texas single slope, Change reinforcing.

APPROVED BY DESIGN METHODS ENGINEER

34" CONCRETE BARRIER FOR USE WITH REINFORCED PAVED SHOULDER