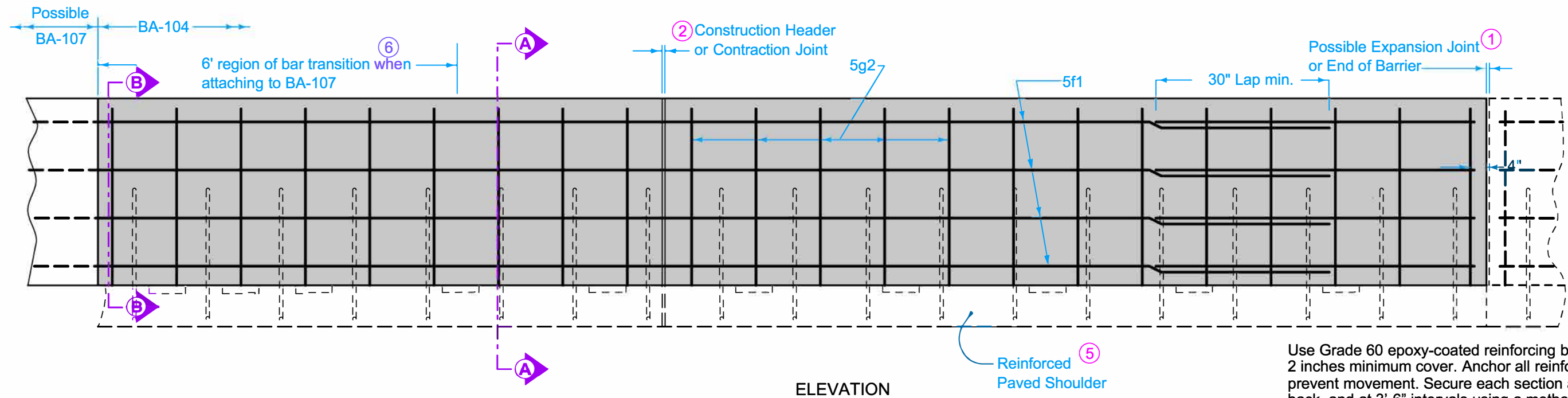




Use Grade 60 epoxy-coated reinforcing bars. Provide 2 inches minimum cover. Anchor all reinforcement to prevent movement. Secure each section at the front, back, and at 3'-6" intervals using a method approved by the Engineer.

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.

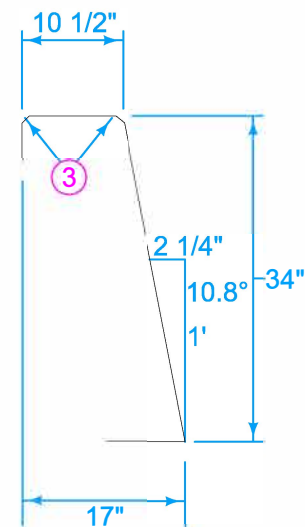
② Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 3 feet. Match contraction joint locations to pavement joint locations.

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

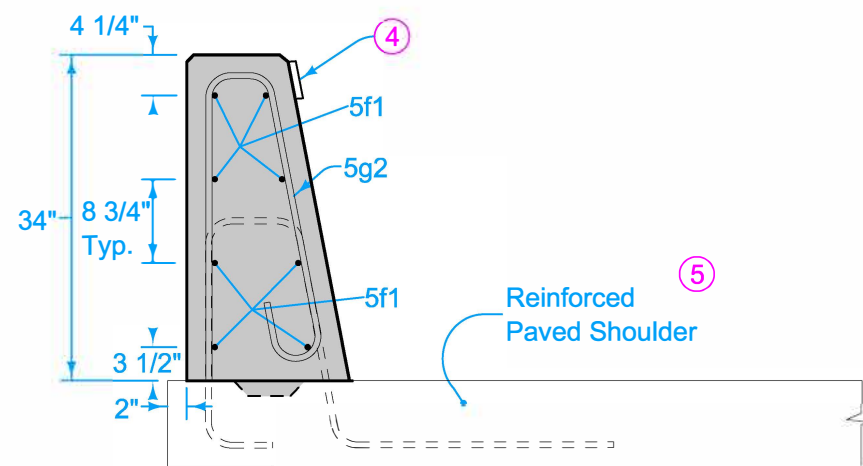
④ Place barrier markers at 100 foot increments in areas with non-continuous lighting, or 250 foot increments in areas with continuous lighting. Marker color to be the same as adjacent edge line.

Possible Contract Item:
Concrete Barrier, BA-104, 34"
Concrete Barrier, BA-104, 44"

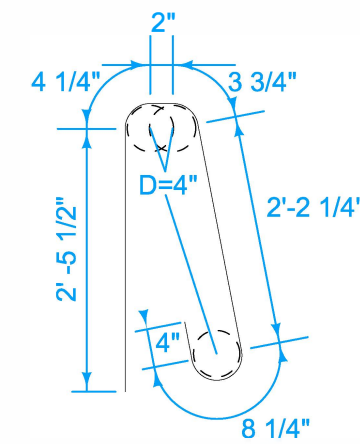
Possible Tabulation:
108-18B



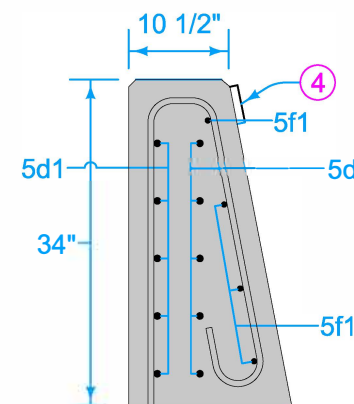
BARRIER FACE



SECTION A-A



5g2
BENT BAR



SECTION B-B
When attaching to BA-107

⑤ Refer to BA-106 for details of 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.

$\frac{1}{8}$ " min. wide x 1" deep saw cut. No sealing required.

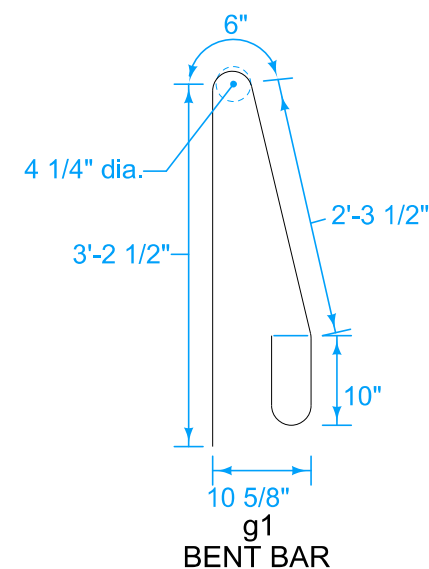
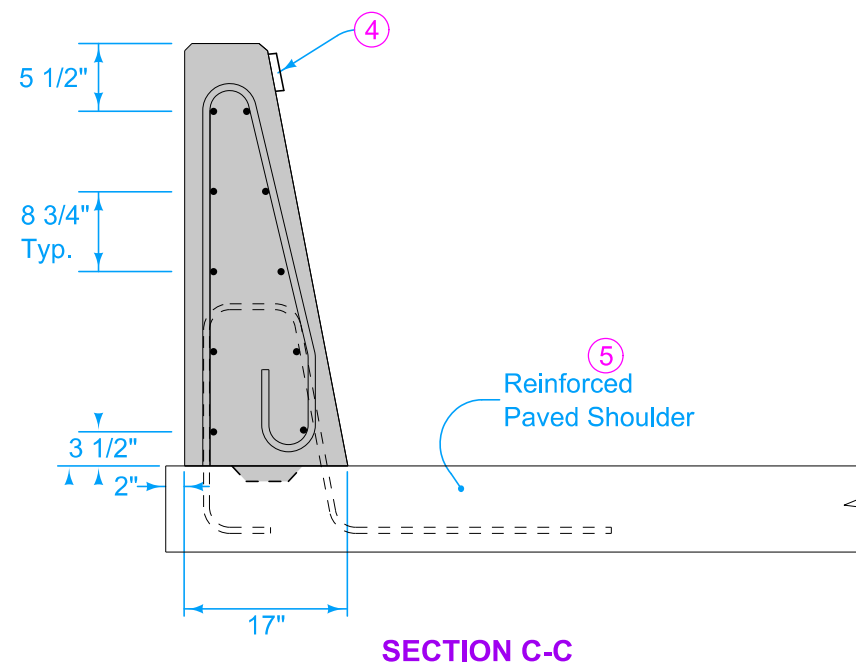
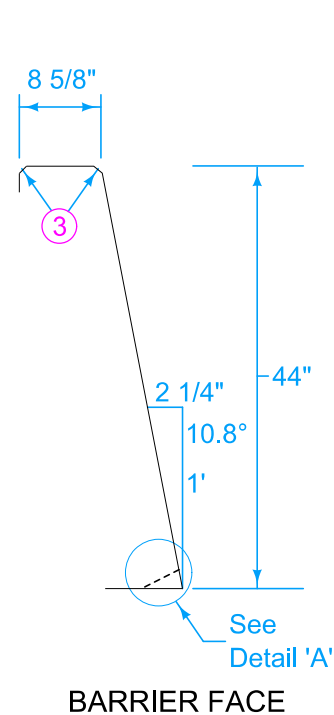
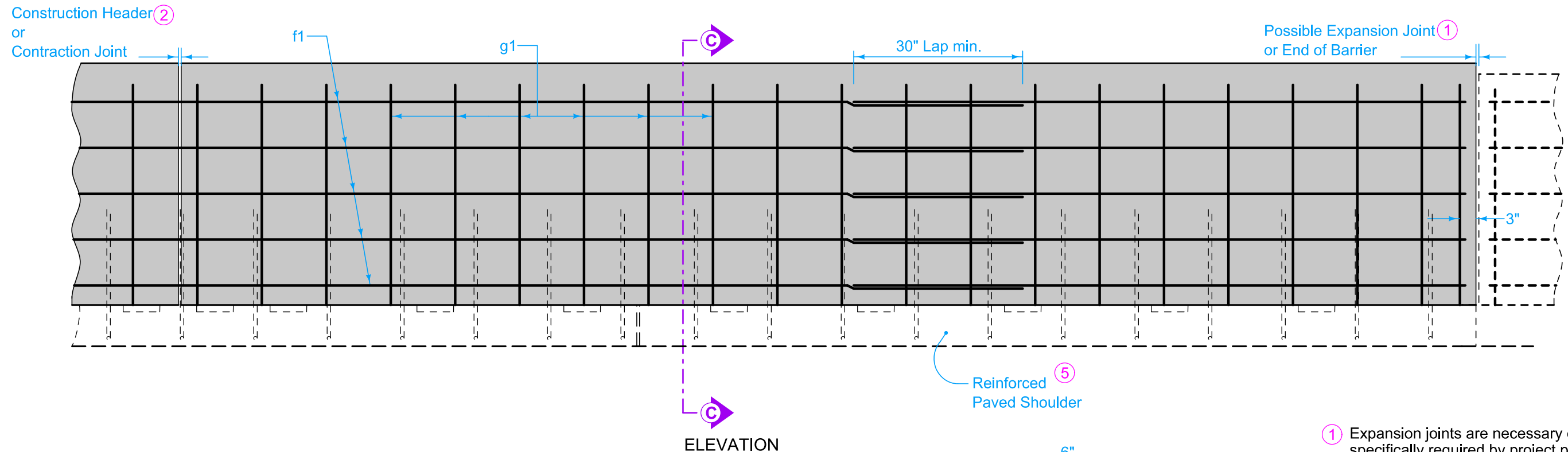


SAWED CONTRACTION JOINT
Saw cut top and front face.
Saw cut back if exposed.

CONCRETE QUANTITIES	
Per 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	—

 IOWA DOT		REVISION	
		3	4-21-26
STANDARD ROAD PLAN		BA-104	
		SH EET of 2	
REVISIONS: Added page 2, 44" barrier option.			
			
APPROVED BY DESIGN METHODS ENGINEER			
CONCRETE BARRIER FOR USE WITH REINFORCED PAVED SHOULDER			

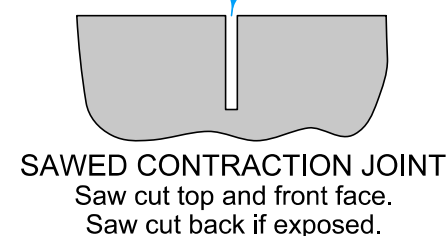


⑤ Refer to BA-106 for details of 5g3 bars, and reinforced paved shoulder.

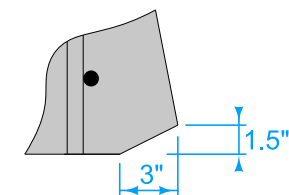
- ① Expansion joints are necessary only where specifically required by project plans. Conform expansion material to the shape of the barrier. No sealer is required.
- ② Where abutting sections are placed as separate pours, a butt joint may be used. Extend longitudinal reinforcement into the abutting section a minimum of 3 feet. Match contraction joint locations to 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.

REINFORCING BAR LIST Per Section (Approx. 20 feet)					
Bar	Size	Number of Bars	Length	Weight (lbs.)	Spacing
g1	5	20	7' 10"	150	12"
f1	5	10	20'	204	—
Lap	5	10	2'-6"	3	—

$\frac{1}{8}$ " min. wide x 1" deep
saw cut. No sealing required.



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.



Special Shaping for Barrier over Intake

CONCRETE QUANTITIES
Per foot
0.14 cy

 IOWA DOT		REVISION	
STANDARD ROAD PLAN		3	4-21-26
		BA-104	
		SHEET 2 of 2	
REVISIONS: Added page 2, 44" barrier option.			
			
APPROVED BY DESIGN METHODS ENGINEER			
CONCRETE BARRIER FOR USE WITH REINFORCED PAVED SHOULDER			