Concrete Barrier, BA-100 or Footing
Possible Contract Item:
Per Foot

SECTION A-A

44" WT. (lbs.)

CONCRETE QUANTITIES

<table>
<thead>
<tr>
<th>Size</th>
<th>Number of Bars</th>
<th>Length</th>
<th>WT. (lbs.)</th>
<th>Max. Spacing</th>
</tr>
</thead>
<tbody>
<tr>
<td>7'-5&quot;</td>
<td>19' - 6&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

0.19 cy

DETAIL 'A'

See 7

7

5

2'-1 1/2"

3"

A

Detailed Shaping for Barrier over Intake

REINFORCING BAR LIST
Per Section (Approx. 20 feet)

<table>
<thead>
<tr>
<th>Mark</th>
<th>Size</th>
<th>Number of Bars</th>
<th>Length</th>
<th>WT. (lbs.)</th>
<th>Max. Spacing</th>
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</thead>
<tbody>
<tr>
<td>g1</td>
<td>5</td>
<td>28</td>
<td>7'-5&quot;</td>
<td>105</td>
<td>12&quot;</td>
</tr>
<tr>
<td>f1</td>
<td>5</td>
<td>10</td>
<td>12&quot;</td>
<td>204</td>
<td></td>
</tr>
<tr>
<td>Laj</td>
<td>5</td>
<td>10</td>
<td>2'-6&quot;</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

G1 BENT BAR

2'-6" Lap min.

1" Min. wide x 1" deep saw cut. No sealing required.

SAWED CONTRACTION JOINT

Saw cut top and front face

ELEVATION

Use epoxy-coated Grade 60 reinforcing bars. Provide 2 inches minimum cover. Anchor barrier reinforcement to prevent movement. Secure each section at the front, back, and at 3 foot 6 inch minimum 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.

Saw contraction joints as indicated. 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.

For barrier dowelled to pavement, match pavement joints. For free-standing barrier with integral footings, use 17 foot maximum, 15 foot minimum joint spacing.

Use 1 inch diameter deformed dowel bars of sufficient length to ensure 6 inch minimum embedment in barrier and supporting surface. Install dowels either in supporting surface when placed, or in drilled holes using polymer grout complying with Materials I.M. 491.11 or hydraulic cement grout complying with Materials I.M. 491.13.

Fill all exposed corners with a 1/2 inch dressed and beveled strip.

Construct concrete footing when barrier is not placed on concrete slab. Apply Article 2403.03 of the Standard Specifications, but the use of forms is optional. If forms are used, place backfill around the completed footing.

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 Tabulation:
Concrete Barrier, BA-100 or Concrete Barrier, BA-100 and Footing

CONCRETE QUANTITIES
Per Foot
0.19 cy

CONCRETE QUANTITIES

BA-100

STANDARD ROAD PLAN

REVISED: 10-18-22

44" CONCRETE MEDIAN BARRIER
(FULL SECTION)