NOTES:
1. Not required.
2. Shop Drawings:  Not required.
3. Materials:
   a. Steel Plate: ASTM A36 or ASTM A572 Grade 50
   b. Galvanized U-Bolts, Nuts, and Plate Washer: ASTM A499
   c. Nuts, ASTM A 563 Lock Nuts
   d. Anchor Rod: ASTM F1554 Grade 55 Fully Threaded
   e. Anchor Bolt: ASTM A325 Heavy Hex Nut
   f. Epoxy Anchor Bonding Material: Specification 937 Type IV Adhesive
   g. Weld Material: E70XX
4. Coating:
   a. U-Bolts, Threaded Rods, Nuts, and Washers: ASTM A499
   b. Hot dip galvanize after fabrication
5. Fabrication:
   a. Perpendicular to Direction of Traffic
   b. Parallel to Direction of Traffic
6. Construction:
   a. Locate Sign Support a minimum of 5 feet from an open joint or transition (sign stationing may be adjusted to accommodate this requirement)
   b. Install Sign Supports at the midpoint along the length of a single segment
   c. Do not drill into existing reinforcing
   d. Temporary Signs on Permanent Traffic Railings, Same as Permanent except field testing of anchors is not required
   e. Temporary Signs on Temporary Railings/Barriers:
      a. Install Adhesive Anchors in accordance with Specification 416 except perform field testing on one anchor per sign support location
      b. Use template and cut anchors as necessary to maintain correct placement of C-I-P Embedded Anchors
7. Removal of Temporary Signs on Permanent Traffic Railings:
   a. Cut anchor rods flush with the top of the railing
   b. Coat anchors with Type F-1 epoxy to prevent corrosion
   c. Epoxy coating 2 inches beyond edge of cut anchor rods
8. Payment:
   Include the cost of all materials and labor in the cost of the single post sign assembly.

### TABLE 1 - SIGN PANEL AND POST SIZING

<table>
<thead>
<tr>
<th>Temporary Signs</th>
<th>Max. Sign Area (SF)</th>
<th>Post (PS)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>= 24</td>
<td>30</td>
</tr>
<tr>
<td>Permanent Signs</td>
<td>13.5 &lt; Sign &lt; 20</td>
<td>70</td>
</tr>
</tbody>
</table>

ELEVATION

CONCRETE BARRIER

1/2" Saw Cut Groove In Barrier

CONCRETE BARRIER

1/2" Saw Cut Groove In Barrier

INTERSTATE 10

PARALLEL TO DIRECTION OF TRAFFIC

Sign Panel (See Index 700-010)

PERPENDICULAR TO DIRECTION OF TRAFFIC

Snap-In Post Cap

Snap-In Post Cap

Max. Sign Area (SF)

Max.

Min.

Sign Panel Height

Sign Panel Height

Steel Sign Post & Base Plate Weldment

Steel Sign Post & Base Plate Weldment

Concrete Barrier

Concrete Barrier

Edge of Travel Way

Index 521-001 Median Barrier shown; others similar
NOTES:
1. Place anchor rods in a staggered or linear pattern as necessary to avoid reinforcing.
2. Use a staggered pattern for all temporary barriers.

**TABLE 2 - BASE PLATE TYPE AND ANCHOR ROD SIZING**

<table>
<thead>
<tr>
<th>Index</th>
<th>Type/Application</th>
<th>Base Plate Type</th>
<th>Anchor Rod Ø</th>
</tr>
</thead>
<tbody>
<tr>
<td>521-001</td>
<td>Full Wall</td>
<td>B</td>
<td>1&quot;</td>
</tr>
<tr>
<td>521-001</td>
<td>Cantilever or L-Wall</td>
<td>A</td>
<td>1&quot;</td>
</tr>
<tr>
<td>All listed above Plus 102-110 &amp; 102-100</td>
<td>Temporary Signs</td>
<td>C</td>
<td>1/2&quot;</td>
</tr>
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</table>

**TABLE 2 - BASE PLATE TYPE AND ANCHOR ROD SIZING**

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