NOTES:
1. Work with Index 700-010.
2. Shop Drawings: Not required.
3. Materials:
   A. Steel Plate: ASTM A36 or ASTM A709 Grade 36
   B. Steel Pipe (Support Post): ASTM A53 Grade B Schedule 40
   C. Galvanized U-Bolts, Nuts and Plate Washer
      a. U-Bolts, ASTM A449
      b. Nuts: ASTM A 363 Lock Nuts
      c. Plate Washer: ASTM A 36 or ASTM A709 Grade 36 or 50
   D. Galvanized Anchor Bolt, Nuts and Washers
      a. Anchor Rod: ASTM F1554 Grade 55 Fully Threaded (for Adhesive Anchors)
      b. Anchor Rod: ASTM F1554 Grade 55 Grade A Hex
      c. Nuts: ASTM A325 Heavy Hex Locking
      d. Washers: ASTM F249
   E. Adhesive Anchor Bonding Material: Specification 937 Type IV Adhesive
   F. Weld Material: E70XX
   G. Snap-In Post Cap: UV and weather-resistant glass-filled polyester cap
4. Coating:
   A. U-Bolts, Threaded Rods, Nuts and Washers: ASTM A325
   B. Other Steel: ASTM A123
5. Fabrication:
   A. Weld: Specification 460-6.4
   B. Hot dip galvanize after fabrication
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. Base plate must be flush with top of Railing
   C. Anchors in Traffic Railings:
      a. Install Adhesive Anchors in accordance with Specification 416 except perform field
      b. Use templates and cut anchors as necessary to maintain correct placement of C-I-P
      c. Do not drill into existing reinforcing
   D. Temporary Signs on Permanent Traffic Railings, Same as Permanent except field
      a. Install Sign Supports at the midpoint along the length of a single segment
      b. Avoid drilling through existing reinforcement; use of metal detector not required.
   E. Temporary Signs on Temporary Railings/Barriers:
      a. Install Adhesive Anchors in accordance with Specification 416 except perform field
      b. Use templates and cut anchors as necessary to maintain correct placement of C-I-P
      c. Do not drill into existing reinforcing
   F. Removal of Temporary Signs on Permanent Traffic Railings:
      a. Cut anchor rods flush with the top of the railing
      b. Coat anchors with Type I-1 epoxy to prevent corrosion
      c. Exceed coating 2 inches beyond edge of cut anchor rods
     d. Washers: ASTM F436
    e. Plates: ASTM A 36 or ASTM A709 Grade 36 or 50
   G. Snap-In Post Cap: UV and weather-resistant glass-filled polyester cap

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>Post (NPS)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max. Sign Area (SF)</td>
<td></td>
</tr>
<tr>
<td>≤ 24</td>
<td>10</td>
</tr>
<tr>
<td>24 &lt; Sign &lt; 20</td>
<td>10</td>
</tr>
<tr>
<td>20 ≤ Sign ≤ 35</td>
<td>30</td>
</tr>
<tr>
<td>Permanant Signs</td>
<td></td>
</tr>
<tr>
<td>35 ≤ Sign ≤ 20</td>
<td>30</td>
</tr>
<tr>
<td>&gt; 20</td>
<td>50</td>
</tr>
</tbody>
</table>

6 Steel Sign Post & Base Plate Weldment

1/2" Saw Cut Groove In Barrier

Concrete Barrier

ELEVATION

FAA 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>
<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></td>
</tr>
</tbody>
</table>

Temporary Signs

All listed above Plus
102-110 & 102-100

TABLE 2 - BASE PLATE TYPE AND ANCHOR ROD SIZING