NOTES:


WIND SPEEDS: See Index 11860, "Wind Speeds by County" note.

GEOMETRY: Install signs with bottom edge of the lower sign panel at 7' above the gutter line. Edge of sign panels must not extend beyond the inside face of the top of the traffic railing. Install sign posts plumb.

APPLICABILITY: Mount only to concrete traffic barriers in locations where ground mounting is not possible. Work this Index in conjunction with Index No. 11860.

SHOP DRAWINGS: Shop drawings are not required.

PAYMENT: Include payment for sign support bracket in the cost of the single post sign.

MATERIALS:

Coatings: Hot dip galvanize all steel and fasteners in accordance with Specification Section 962. Galvanize Sign Support Weldment after Fabrication. Paint sign support brackets and posts when shown in the plans in accordance with Specification Section 969-4.


Sign Post: Aluminum Association Alloy 6061-T6 (ASTM B209, B221 or B308) 5" NPS Schedule 40 Aluminum Pipe.

Steel Plates: ASTM A36 or A709 Grade 36.

Anchor Rods & Bolts: ASTM F1554 Grade 55 with a single self-locking hex nut and washers. Install anchor rods or bolts perpendicular to the base plates on back of traffic railing. See Anchorage Notes, Sheet 2 of 2.

Adhesive Bonded Anchors: Fully threaded Anchor Rods with Type HV Adhesive Bonding Material System in accordance with Specification Section 416 & 937. In lieu of the number of anchors specified to be tested in Specification Section 416-6, field test all adhesive bonded anchors installed per this Design Standard.

U-Bolts: ASTM A449 sized for sign post, with flat washers and locking hex nuts.

Welding: Weld in accordance with American Welding Society Structural Welding Code (Steel), ANSI/AWS D1.1 (current edition). Required weld material is E70XX.

Nondestructive testing is not required.

<p>| SIGN LIMITATIONS TABLE |</p>
<table>
<thead>
<tr>
<th>MAX. WIND SPEED (MPH)</th>
<th>MAX. SIGN AREA (SF)</th>
<th>MAX. SIGN CENTROID HEIGHT (DIM. A + DIM. C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>30</td>
<td>9'-10&quot;</td>
</tr>
<tr>
<td>130</td>
<td>25</td>
<td>9'-7&quot;</td>
</tr>
<tr>
<td>150</td>
<td>20</td>
<td>9'-7&quot;</td>
</tr>
</tbody>
</table>

Dim. A = Distance from centerline of the Support Post to the bottom of the sign or sign cluster.

Dim. C = Vertical distance from the bottom of the sign or sign cluster to the Centroid of the sign or sign cluster.