CONCRETE FOOTINGS AND SIGN ISLANDS FOR CLASS III SIGNS

**CONCRETE FOOTING TABLE**

<table>
<thead>
<tr>
<th>SIZE</th>
<th>MAXIMUM ALLOWABLE MOMENT</th>
<th>POST TO BASE PLATE</th>
<th>POST BOLT</th>
<th>ANCHOR BOLTS</th>
<th>BOLT PLATES</th>
<th>STIRRUPS</th>
<th>REINFORCING</th>
</tr>
</thead>
<tbody>
<tr>
<td>W 12928</td>
<td>84.5 KIP FT.</td>
<td>NY FELT</td>
<td>2½½&quot;</td>
<td>14&quot;</td>
<td>17&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 12922</td>
<td>82.2 KIP FT.</td>
<td>NY FELT</td>
<td>2½½&quot;</td>
<td>14&quot;</td>
<td>17&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 12922</td>
<td>82.2 KIP FT.</td>
<td>NY FELT</td>
<td>10&quot;</td>
<td>13&quot;</td>
<td>15&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 9232</td>
<td>24.4 KIP FT.</td>
<td>NY FELT</td>
<td>14&quot;</td>
<td>15&quot;</td>
<td>17&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 8020</td>
<td>20.4 KIP FT.</td>
<td>NY FELT</td>
<td>14&quot;</td>
<td>15&quot;</td>
<td>17&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 6515</td>
<td>13.3 KIP FT.</td>
<td>NY FELT</td>
<td>14&quot;</td>
<td>15&quot;</td>
<td>17&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
<tr>
<td>W 5332</td>
<td>10.3 KIP FT.</td>
<td>NY FELT</td>
<td>12&quot;</td>
<td>13&quot;</td>
<td>15&quot;</td>
<td>4-1/4-W102-4&quot;</td>
<td>2-3/8&quot;-5/8&quot;</td>
</tr>
</tbody>
</table>

**CONCRETE FOOTING INSTALLATION**

- Timber posts shall be set in drilled or excavated holes—depth shall be 3 ft. for 6X6 posts and 3 ft. for 4X4 posts unless otherwise noted on the tabulation of signs in the plans. Posts shall be placed plumb, backfilled with excavated materials, and thoroughly tamped into place.
- For multi-directional breakaway only, TYPE I thru 6 SIGNS REQUIRE A 6 INCREASE IN DIAMETER ("D") TO ACCOMMODATE ANCHORS SHOWN ON THE DETAILS INCLUDED IN THE PLANS. ALL HORIZONTAL REINFORCING HOOP DIAMETER WILL BE INCREASED TO MAINTAIN A 2 IN CLEANCE FROM THE FOOTING SIDES. VERTICAL BARS AND OTHER STRUCTURAL DATA REMAIN THE SAME. TYPE 7 SIGNS REQUIRE NO CHANGES.
GENERAL NOTES

1. All concrete is to be Class "B" air entrained, unless stated otherwise in "General Notes."*

2. Use grout to seal joints in concrete sections. Use grout as specified in "Joint Mortar."*


4. Use all steel work above the base plate, and for angular placement of signs see applicable standards included in the plans.

5. For additional information, refer to "Fabrication of Signs" and "Cross Sections for Class II" included in the plans.


7. For additional information, refer to "Tabulation of Signs" and "Typical Sign Island Plan."* For placement of signs, see applicable standards included in the plans.


9. The lateral position may be reduced to a minimum of 2 ft. from the edge of normal paved shoulder to fit field conditions when 20 ft. from the edge of the traveled way is not feasible. See the cross sections and/or typical ground sign placement standards.

10. Embankment for sign islands is to be compacted as required under Item 200 of the standards specifications.


12. The 4-inch "base post" and lower "break-away plate" shall be paid for as part of the footing.

DETAILED PLACEMENT

1. All concrete is to be Class "B" air entrained, unless stated otherwise in "General Notes."*

2. Use grout to seal joints in concrete sections. Use grout as specified in "Joint Mortar."*


4. Use all steel work above the base plate, and for angular placement of signs see applicable standards included in the plans.

5. For additional information, refer to "Fabrication of Signs" and "Cross Sections for Class II" included in the plans.


7. For additional information, refer to "Tabulation of Signs" and "Typical Sign Island Plan."* For placement of signs, see applicable standards included in the plans.


9. The lateral position may be reduced to a minimum of 2 ft. from the edge of normal paved shoulder to fit field conditions when 20 ft. from the edge of the traveled way is not feasible. See the cross sections and/or typical ground sign placement standards.

10. Embankment for sign islands is to be compacted as required under Item 200 of the standards specifications.


12. The 4-inch "base post" and lower "break-away plate" shall be paid for as part of the footing.