<table>
<thead>
<tr>
<th>CELL / MODEL NAME</th>
<th>DESCRIPTION</th>
<th>DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAT-A-1</td>
<td>Breakaway tubular steel signposts and foundations</td>
<td>06/01/2012</td>
</tr>
<tr>
<td>BAT-A-2</td>
<td>Breakaway tubular steel signposts and details</td>
<td>06/01/2012</td>
</tr>
</tbody>
</table>
SINGLE POST ASSEMBLY EXAMPLES

* Dimensional changes required for varying site conditions shall be approved by the Engineer.

- $c$ or $c' = 3"$ min. to 4" max.
- $b$ or $b' = 3"$ min. to 4" max.
- $a$ or $a' = 6"$ min. to 2'-0" max. (Approximately 0.2W or 0.2W)

DUAL POST ASSEMBLY EXAMPLES

MAIN POST TABLE

<table>
<thead>
<tr>
<th>Main Post ASTM</th>
<th>Weight Per Foot (lb)</th>
<th>Stub Post Table</th>
<th>Main Post Table</th>
</tr>
</thead>
<tbody>
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</tbody>
</table>

GENERAL NOTES

- Posts shall be plumbed using plumb with post-to-stub post connection bolts snug tight only. Final tightening of all high strength bolts shall be in accordance with AASHTO M232 and threads at the juncture of the post and nut shall be burnished or center punched to prevent the nut from loosening.

- One foundation requires 0.7 cubic yards of concrete and 46 pounds of reinforcement bars and spiral hoops.

LOADING: 80 mph wind with 30% gust factor, normal to sign.

DESIGN STRESSES:

- Concrete - 1,400 psi
- Reinforcing steel - 20,000 psi
- Structural steel - 20,000 psi
- Footing soil pressure - 2,000 psi

After fabrication, the post, fuse plate, base plate and upper 6"聪 of the stub post shall be field galvanized in accordance with AASHTO M56. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M276.

For Sections A-A and B-B, see Base Sheet BAT-A-2.

FOUNTAIN:

All necessary excavation or drilling, backfilling in rock, backfilling with excavated materials, disposal of unsuitable or surplus materials, and furnishing and placing the Class SI Concrete and reinforcement bars, shall be included in the pay item used for foundations.

The measurement of the tubular steel shall be conducted on the basis of the weight per foot of the support, multiplied by the combined length of the main posts and stub posts.

BAT-A-1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BREAK-AWAY TUBULAR STEEL
SIGN POSTS AND FOUNDATIONS

(Sheet 1 of 2)