Index 11860 Single Column Ground Signs (Rev. 11/16)

Design Criteria


Both fabricated and cast base assemblies were impact tested by the Texas Transportation Institute, College station, TX on February 10, 2003, and both alternate assemblies were determined to be compliant with the performance recommendations of the National Cooperative Highway Research Program (NCHRP) Report 350.

Design Assumptions and Limitations

See notes on the Design Standard and Structures Manual Volume 3. See also PPM Volume 1, Chapters 7 and 29.

Design Standards Index 11860 contains instructions for the contractor to select the appropriate post size given the sign dimensions stated in the plans.

The rectangular unidirectional slipbase sign support system can be used with any single post up to a mass of 45 lb/ft.

Foundation designs are based on the following conservative soil criteria which cover the great majority of soil types found in Florida:

- Classification = Cohesionless (Fine Sand)
- Friction Angle = 30 degrees
- Unit Weight = 50 pcf (assumed submerged)

Plan Content Requirements

See PPM Volume 2, Chapter 23.

Payment

<table>
<thead>
<tr>
<th>Item number</th>
<th>Item description</th>
<th>Unit Measure</th>
</tr>
</thead>
<tbody>
<tr>
<td>700-1-AB</td>
<td>Single Post Sign</td>
<td>AS</td>
</tr>
</tbody>
</table>