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

Design Criteria

AASHTO LRFD Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals (LRFDLTS-1); ***Structures Manual*** Volume 3, FDOT Modifications to LRFDLTS-1; ***Structures Manual*** Introduction, I.6 References.

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

Item number	Item description	Unit Measure
700-1-AB	Single Post Sign	AS