Index 700-011 Single Column Cantilever Ground Mounted Signs

Design Criteria

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

References; FDOT Design Manual (FDM)

Design Assumptions and Limitations

Index 700-011 may not be used as a substitute for Index 700-020. The custom cantilever sign is only intended for use on curb & gutter facilities where the distance between the curb and the sidewalk restricts the use of Index 700-020. The sign location should be checked to insure sufficient area exists behind the sidewalk for the column. Work with Index 700-010.


Design Wind Speed is 110 MPH.

Foundation designs are based on the following conservative soil criteria which cover the 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 the FDM 325.

Payment

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<thead>
<tr>
<th>Item number</th>
<th>Item Description</th>
<th>Unit Measure</th>
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<tr>
<td>700-1-1B</td>
<td>Single Post Sign (F&amp;I, Ground Mount)</td>
<td>AS</td>
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See the BOE and Specification 700 for additional information on payment, pay item use and compensation.