Index 700-012 Single Post Bridge Mounted Sign Support

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; ***Structures Design Guidelines (SDG)***; ***FDOT Design Manual (FDM)***

Design Assumptions and Limitations

See notes on ***Index 700-012***, ***FDM 230***, ***FDM 261***, and the ***Structures Manual (SM)***, Volume 3. Work with ***Index 700-010***.

Limit the use of ***Index 700-012*** to Bridge Traffic Railings and Wall Coping with Traffic Railings where ground mounting is not feasible and signing cannot be placed outside the limits of the traffic railing.

Tabulated Maximum Sign Area, Dim A and Dim C, are based on a Wind Speed of 110 MPH and a bridge height of 75' above surrounding areas.

Sign Post clearance from front face of barrier is detailed to meet the maximum setback distance requirements of ***SDG 6.7***. Maximum sign width is 60 inches.

Sign Supports have been detailed for placement on new or existing concrete traffic and pedestrian railings.

Anchorage details are for Adhesive Bonded Anchors. Undercut Anchors may be used in lieu of Adhesive bonded Anchors when approved by the District Structures Design Engineer and the State Structures Engineer, on a project-by-project basis. If approved, project specific details will be required in the Plans. When using Undercut Anchors, the designer must submit a request to the District Specifications Office to use ***Developmental Specifications*** ***Dev416*** and ***Dev937*** for Post-installed Anchor Systems which includes provisions for both Adhesive Bonded Anchors and Undercut Anchors. See ***SDG 1.6*** for more information.

Plan Content Requirements

See the ***FDM 325***. Label sign support by name or Index number and show minimum distance from gutter-line to bottom of the sign or sign cluster.

Payment

Item number	Item Description	Unit Measure
700-1-3B	Single Post Sign (F&I, Bridge Mount)	AS

See the ***BOE*** and ***Specification 700*** for additional information on payment, pay item use and compensation.