Index 700-012 Single Post Sign Support Barrier Side-Mounted

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 Concrete Barriers where ground mounting is not feasible and signing cannot be placed outside the limits of the traffic railing. Intended for use with static signs only.

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

For Permanent Signs:

See the ***FDM 940***. Label sign support by name or Index number and show minimum distance from gutter-line to bottom of the sign or sign cluster.

For all Temporary/Work Zone Signs:

Use ***Index 102-600*** to layout sign locations in the Plans. ***Index 102-600*** requires signs to be post mounted. When post mounted or barrier mounted sign criteria cannot be met, use ***Index 700-012***, show the location of the bridge mounted signs in the Plans, and include the pay item for bridge mounted work zone signs. However, to reduce the amount of bridge mounted work zone signs, increase the sign spacing as allowed by ***Index 102-600***.

Payment

Item number	Item Description	Unit Measure
700-1-3B	Single Post Sign (F&I, Bridge Mount)	AS
102-62-12	Barrier Mounted Work Zone Sign (Index 102-012)	ED

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