

Index 700-020 Multi-Column Ground Sign

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

See notes on **Index 700-020** and **Structures Manual (SM)**, Volume 3.

The breakaway capabilities of a multi-column ground sign are unidirectional (i.e., the fuse and hinge plate assembly is designed to activate from impacts in one direction). Systems with columns within a 7-foot span must use posts with a mass of 18 lb/ft or less. Larger posts with masses up to 45 lb/ft may also be used but the columns must be more than 7 feet apart. The total mass of the sign assembly above the slip-plane and below the hinge must be less than or equal to 600 pounds.

Use **Index 700-020** in conjunction with the **Multi-Post Sign-LRFD v1.1** located on the **Structures Design Programs Library** website.

Plan Content Requirements

Column size must be shown in the Plans. See the **FDM 325.8** for additional information.

Payment

Item number	Item Description	Unit Measure
700-2-AB	Multi-Post Sign	AS

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