Index 700-040 Cantilever Sign Structure

Design Criteria

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

Design Assumptions and Limitations

The maximum span length of Cantilever Sign Structures is 50 feet. See the notes on *Index 700-040*, *FDM 230*, *FDM 261*, *Structures Manual (SM)*, Volume 3 and the *SDG* for additional information.

Use *Index 700-040* in conjunction with *Index 700-030* and the *Cantilever Overhead Sign* Mathcad 15 computer program located on the <u>Structures Design Programs</u> Library website.

Plan Content Requirements

See the FDM 940.

Complete the appropriate "*Cantilever Sign Structures Data Table*". There is a choice of two tables, one for a sign structure with a spread footing foundation and the other for a sign structure with a drilled shaft foundation. Much of the data for inclusion in the table may be found in the *Cantilever Overhead Sign* output. Include Design Wind Speed and soils information.

Cantilever Sign Structures Data Table (Spread Footing Foundation):

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Cantilever Sign Structures Data Table (Drilled Shaft Foundation):

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See Standard Plans Instruction for Index 700-030 for sign panel.

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