

Origination Form
Proposed Revisions to a Standard Plans Index

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Date:	6/12/2025	Sheet Number(s):	1
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Summary of the changes:

Sheet 1: Added the dimension variable 'G' to the back rake for clarity.

Commentary/Background:

There was some confusion that the annotation was point to the back rake dimension as 'F' when the 'F' actually refers to the upright. I added the actual dimension variable 'G' under the dimension line to clear this up.

Other Affected Documents/Offices	Person Contacted	Affected (Yes/No)
Other Standard Plans		No
FDOT Design Manual		No
Standard Specifications		No
Basis of Estimates Manual		No
Approved Product List		No
Construction Office		No
Maintenance Office		No

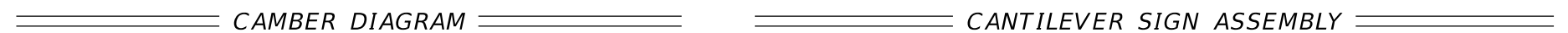
Implementation

["FY-Standard Plans (Next Release)"]

1. *Meet the requirements of Specification 700.*
2. *Work this Index in conjunction with CANTILEVER SIGN STRUCTURE DATA TABLES in the Plans and Index 700-030.*
3. *Handholes are required at pole base for DMS Structures. Refer to Index 700-090 for Handhole Details.*
4. *Shop Drawings are required.*

5. *Materials:*

- A. *Sign Structure:*
 - a. *Upright and Chords (Steel Pipe):* API 5L X42 PSL2, 42 ksi yield or ASTM A500, Grade B (Min.)
 - b. *Steel Angles and Structural Plates and Bars:* ASTM A709 Grade 36
- B. *Bolts, Nuts and Washers:*
 - a. *High Strength Bolts:* ASTM F3125, Grade A325 Type 1
 - b. *Nuts:* ASTM A563 Grade DH Heavy-Hex
 - c. *Washers:* ASTM F436 Type 1, one under turned element
- C. *Anchor Bolts, Nuts and Washers*
 - a. *Anchor Bolts:* ASTM F1554 Grade 55
 - b. *Nuts:* ASTM A563 Grade A Heavy-Hex (5 per bolt)
 - c. *Plate Washers:* ASTM A36 (2 per bolt)



1. Meet the requirements of Specification 700.

2. Work this Index in conjunction with CANTILEVER SIGN STRUCTURE DATA TABLES in the Plans and Index 700-030.

3. Handholes are required at pole base for DMS Structures. Refer to Index 700-090 for Handhole Details.

4. Shop Drawings are required.

Obtain Shop Drawing approval prior to fabrication. Include the following:

A. Upright Pipe height ('A') and Foundation elevations: Verify dimension in the field prior to submittal to ensure minimum vertical clearances of the sign panel over the roadway.

B. Height of the foundation above adjacent ground.

C. Anchor bolt orientation with respect to centerline of truss and the direction of traffic.

D. Chord Splices

E. Handholes at pole base (when required).

5. *Materials:*

A. *Sign Structure:*

a. Upright and Chords (Steel Pipe): API 5L X42 PSL2, 42 ksi yield or ASTM A500, Grade B (Min.)

b. Steel Angles and Structural Plates and Bars: ASTM A709 Grade 36

B. Bolts, Nuts and Washers:

a. High Strength Bolts: ASTM F3125, Grade A325 Type 1

b. Nuts: ASTM A563 Grade DH Heavy-Hex

c. Washers: ASTM F436 Type 1, one under turned element

C. Anchor Bolts, Nuts and Washers

a. Anchor Bolts: ASTM F1554 Grade 55

b. Nuts: ASTM A563 Grade A Heavy-Hex (5 per bolt)

c. Plate Washers: ASTM A36 (2 per bolt)



= CANTILEVER SIGN ASSEMBLY =