- ORIGINATION FORM -

Proposed Revisions to a Standard Plans Index

(Please provide all information — Incomplete forms will be returned)

<u>Contact Information:</u> Date: May 12, 2022 Originator: Rick Jenkins Phone: (850) 414-4355 Email: Rick.Jenkins@dot.state.fl.us **Summary of the changes:**

Standard Plans:

Index Number: 700-040 Sheet Number (s): 1, 2, and 5 of 5 Index Title: Cantilever Sign Structure

- Sheet 1: Updated Notes to General Notes; Added New General Note 1 "Meet the requirements of Specification 700."; Deleted Notes 4 through 7; Moved Note 5.B to Sheet 5 Notes; Renumbered Notes.
- Sheet 2: Deleted Note 7 ; Added Plate Washers to the Anchor Bolts and new callout "5 Nuts Per Anchor Bolt (Typ.)"; in the FOUNDATION details; Updated the Plate Washer callout and the weld references in the BASE PLATE CONNECTION details; Added new note detailing the weld pattern of the 'BD' plates indicating that they should be welded in a star pattern.
- Sheet 5: Added General Note 5.B as New Note 3 "Chord Splices: "SD" Panel from upright is the closest panel in which chord splice may be used. See Plans for CANTILEVER SIGN STRUCTURE DATA TABLE. Minimum splice spacing is two truss panel lengths apart."

Commentary / Background:

The 700 Index Series is being edited to remove material information and other information that is located in the Standard Specifications. Revisions are being made to Specification Sections 700, 962 and 965 in conjunction with these changes.

Sheet 2: New Note - This process is to help prevent residual stress buildup in base plate connection to prevent cracking.

Other Affected Offices / Documents: (Provide name of person contacted)

- Yes No

 Other Standard Plans –
- FDOT Design Manual Dewayne Carver
- 🗹 🛛 🔲 Basis of Estimates Manual Ryan Gray
- Standard Specifications Daniel Strickland
- Approved Product List Missy Hollis
 - Construction Jason Russell
 -] 🛛 🗹 Maintenance Deanna Hutchison

Origination Package Includes: (Submit package to Rick Jenkins)

Yes N/A

- Redline Mark-ups
 - Revised or Proposed Standard Plan Instruction (SPI)
- Other Support Documents

Implementation:

Design Bulletin (Interim)

🔲 DCE Memo

Program Mgmt. Bulletin

FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form __________
Email to: Rick Jenkins <u>rick.jenkins@dot.state.fl.us</u> and Darren Martin <u>darren.martin@dot.state.fl.us</u>









GENERAL NOTES:

- 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).









8/10/2022



