
ORIGINATION FORM

Proposed Revisions to a Standard Plans Index

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

Contact Information:

Date: May 12, 2022

Originator: Rick Jenkins

Phone: (850) 414-4355

Email: Rick.Jenkins@dot.state.fl.us

Standard Plans:

Index Number: 700-120

Sheet Number (s): 1 of 11

Index Title: Enhanced Highway Signing Assemblies

Summary of the changes:

New General Note 1 - "Meet the requirements of Specifications 646 and 700."; Deleted Notes 1, 2, and 4; renumbered General Notes.

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.

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)

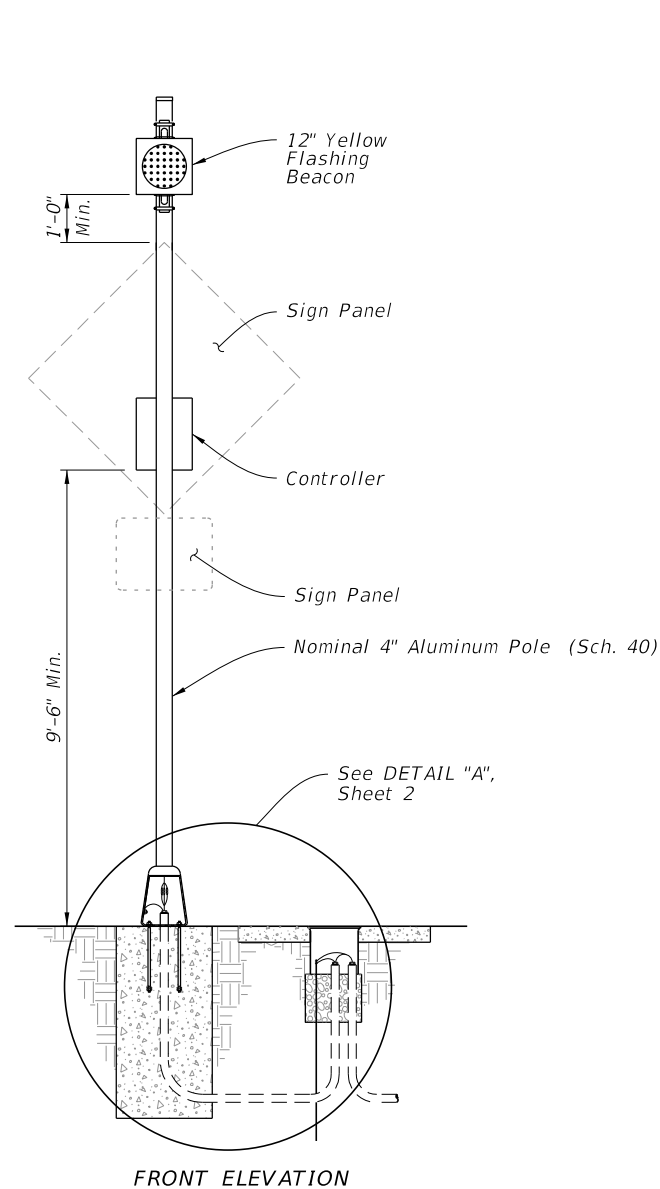
Yes	N/A	
☒	☐	Redline Mark-ups
☐	☐	Revised or Proposed Standard Plan Instruction (SPI)
☐	☐	Other Support Documents

Implementation:

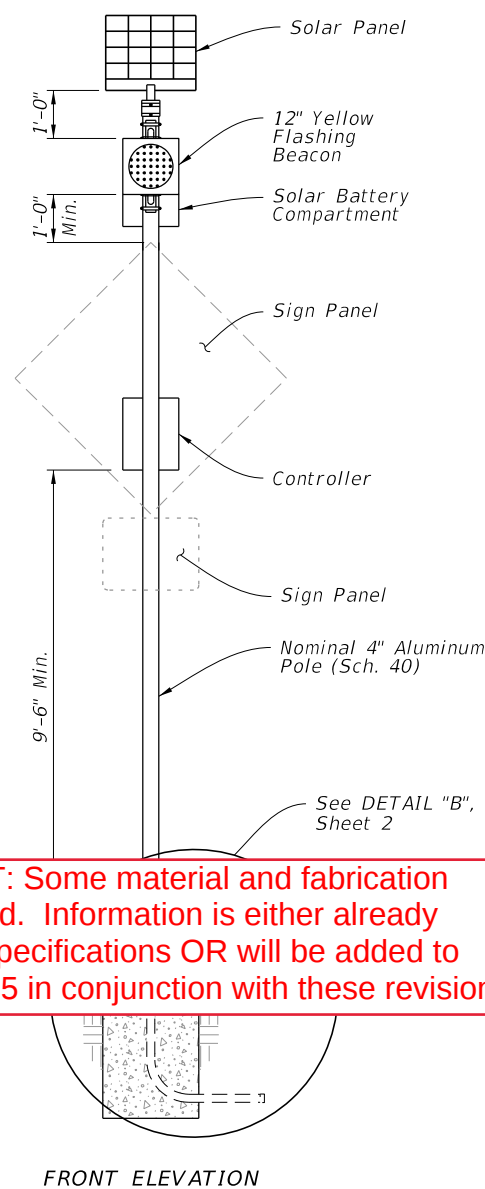
☐	Design Bulletin (Interim)
☐	DCE Memo
☐	Program Mgmt. Bulletin
☒	FY-Standard Plans (Next Release)

Contact the Roadway Design Office for assistance in completing this form

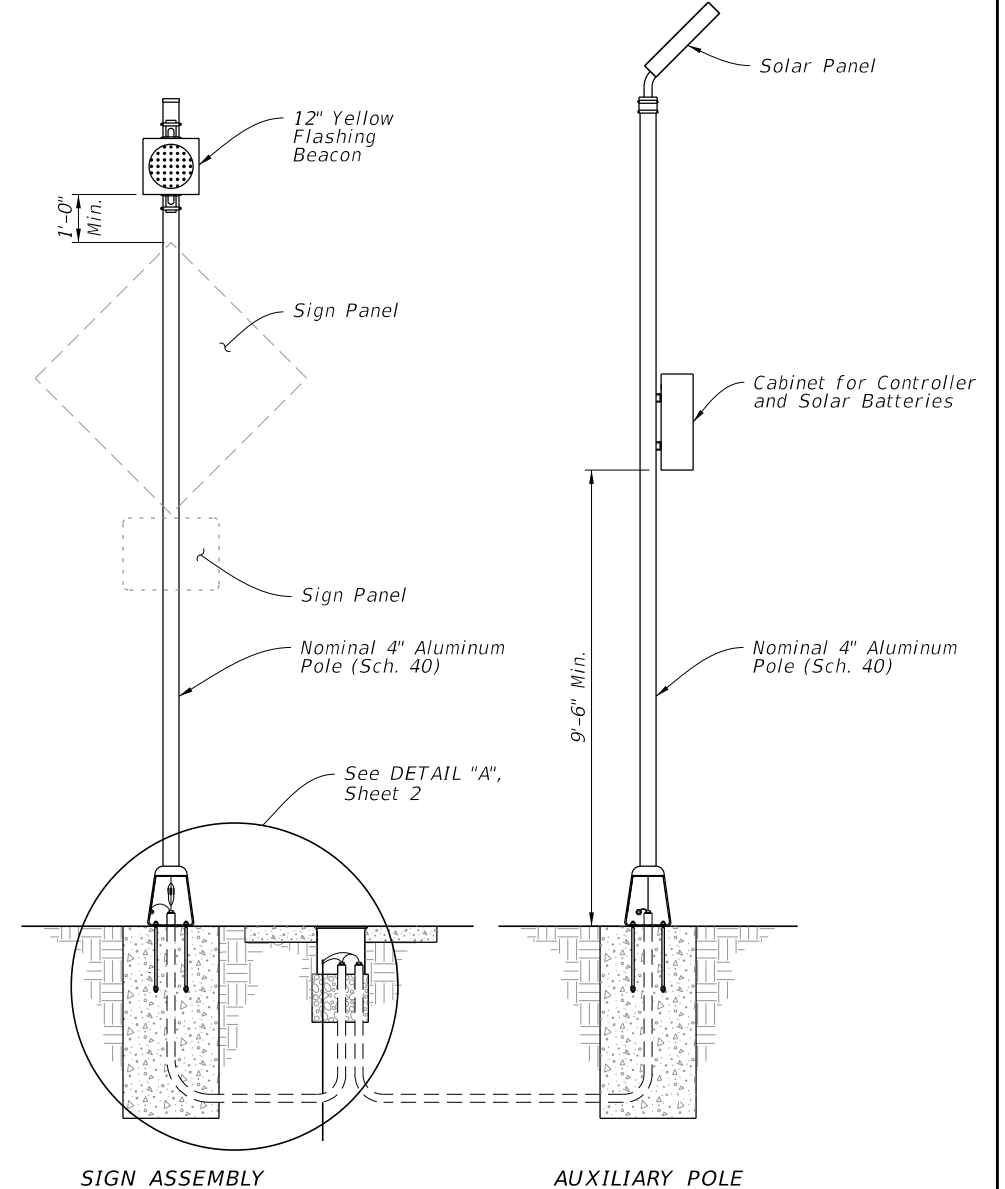
Email to: Rick Jenkins rick.jenkins@dot.state.fl.us and Darren Martin darren.martin@dot.state.fl.us



POWER CONFIGURATION 'A'
CONVENTIONALLY-POWERED
(Type A1)



WITHOUT AUXILIARY POLE



POWER CONFIGURATION 'B'
SOLAR-POWERED
(Type B1 Shown)

GENERAL COMMENT: Some material and fabrication information was deleted. Information is either already covered in Standard Specifications OR will be added to Section 700, 962 or 965 in conjunction with these revisions.

GENERAL NOTES:

- ~~1. Install sign assemblies based on Alpha-Numeric Type designation shown in the Plans (e.g., Type A1). Assembly Type is based on Power Configuration 'Alpha' Identification shown above and Numerical Identification shown on Sheet 3 thru 8.~~
- ~~2. Install sign panel and wind beam in accordance with Index 700-010 and Specification 700.~~
- ~~3. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.~~
- ~~4. Meet the requirements of Specification 646.~~
- ~~5. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 6" by 4'-0" by 5'-0".~~
- ~~6. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.~~

POWER CONFIGURATION 'B' NOTES:

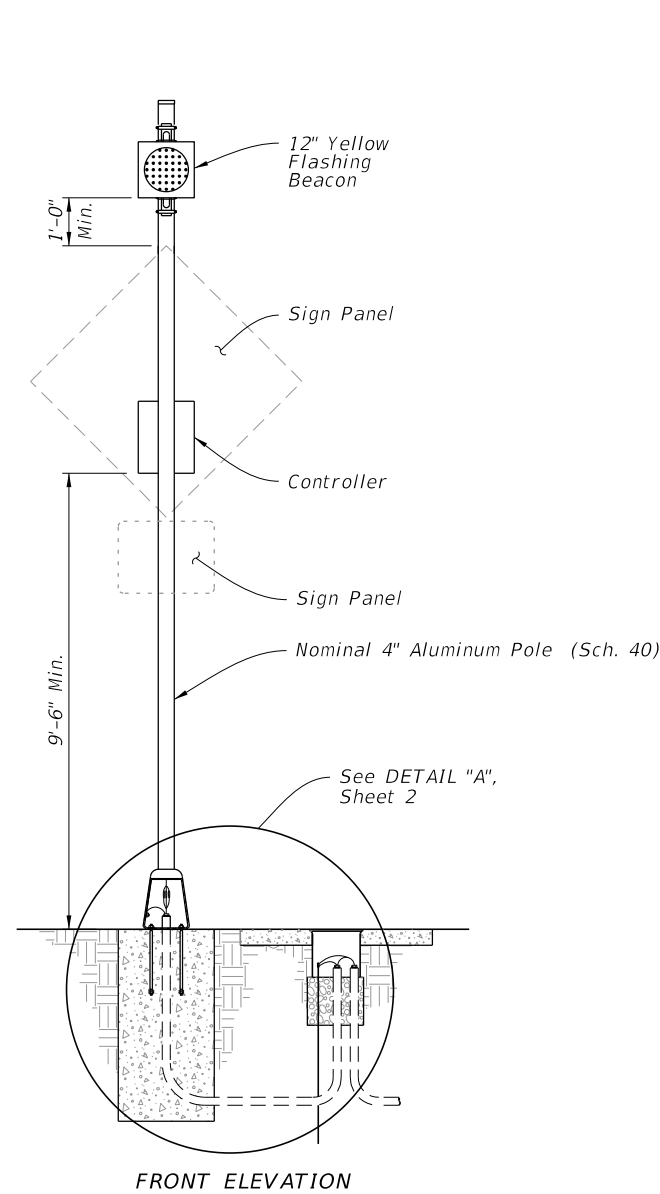
1. Install a separate pole for mounting the solar panel, controller and batteries for all roadside assemblies with solar panels, controllers and batteries weighing more than 170 lbs.
2. Install the auxiliary pole as close to the right of way boundary as possible.
3. so that the height is the same as the assembly.
4. Orient solar panel to face South for optimal exposure to sunlight.
5. The controller and the solar batteries may be located in the same compartment.

DELETED

TABLE OF CONTENTS:

Sheet	Description
1	General Notes and Contents
2	Conduit, Wiring, and Foundation Details
3	Roadside Sign Assembly-1
4	Roadside Sign Assembly-2
5	Roadside Sign Assembly-3
6	Roadside Sign Assembly-4
7	Roadside Sign Assembly-5
8	Roadside Sign Assembly-6
9	Roadside Sign Assembly-7
10	Roadside Sign Assembly-8
11	Overhead Sign Assembly

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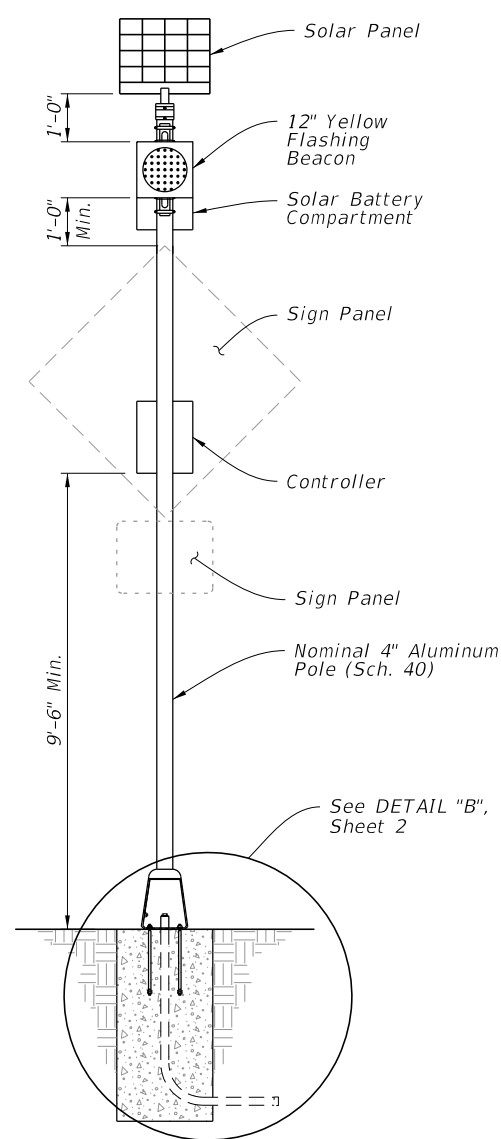


FRONT ELEVATION

POWER CONFIGURATION 'A'
CONVENTIONALLY-POWERED
(Type A1 Shown)

GENERAL NOTES:

1. Meet the requirements of Specifications 646 and 700.
2. Engage all threads on the transformer base and post unless the aluminum post is fully seated into base.
3. Install a concrete slab around all roadside assemblies on slopes 6:1 or greater. The minimum slab dimension is 6" by 4'-0" by 5'-0".
4. When wire entry holes are drilled in the sign column, use a bushing or rubber grommet to protect conductors.

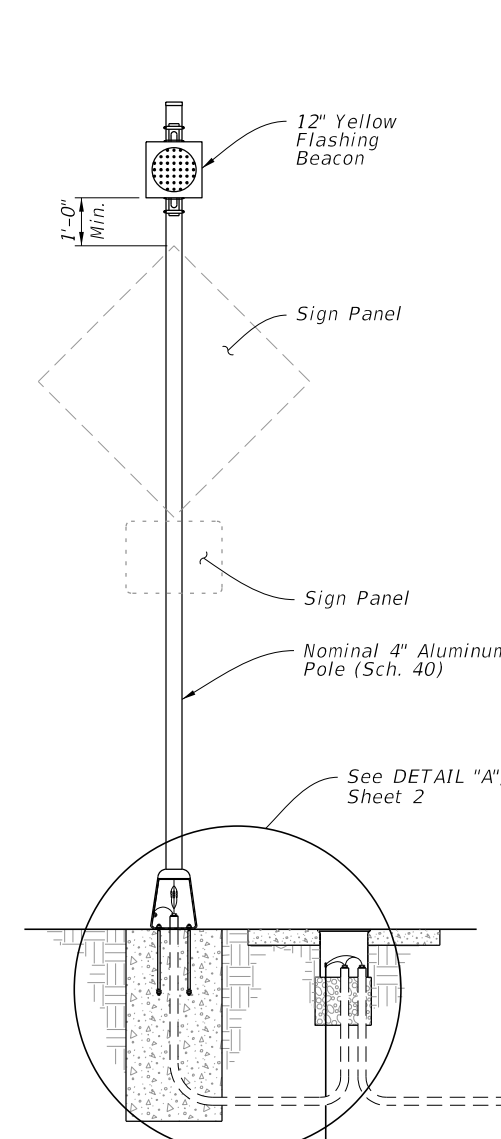


FRONT ELEVATION

WITHOUT AUXILIARY POLE

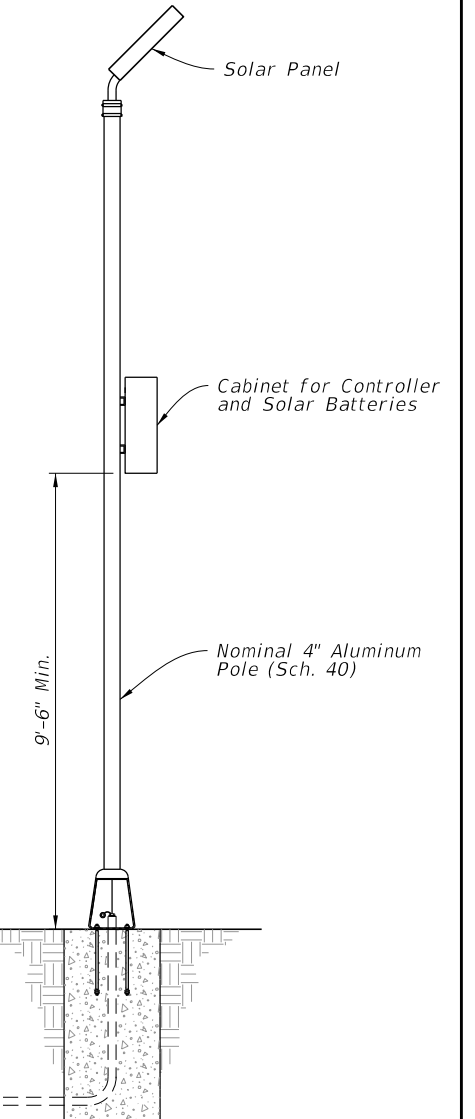
POWER CONFIGURATION 'B' NOTES:

1. Install a separate pole for mounting the solar panel, controller and batteries for all roadside assemblies with solar panels, controllers and batteries weighing more than 170 lbs.
2. Install the auxiliary pole as close to the right of way boundary as possible.
3. Install the auxiliary pole so that the height is the same as the column for the roadside assembly.
4. Orient solar panel to face South for optimal exposure to sunlight.
5. The controller and the solar batteries may be located in the same compartment.



SIGN ASSEMBLY
FRONT ELEVATION

POWER CONFIGURATION 'B'
SOLAR-POWERED
(Type B1 Shown)



AUXILIARY POLE
ELEVATION

WITH AUXILIARY POLE

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