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## ORIGINATION FORM

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Proposed Revisions to a Standard Plans Index  
(Please provide all information — Incomplete forms will be returned)

**Contact Information:**

Date: January 28, 2020

Originator: Cheryl Hudson

Phone: (850) 414-5332

Email: cheryl.hudson@dot.state.fl.us

**Standard Plans:**

Index Number: 641-010

Sheet Number (s): 1

Index Title: Concrete Poles

**Summary of the changes:**

Add minimum strength of concrete at transfer.

**Commentary / Background:**

Currently the specifications allow 4 ksi concrete strength at transfer unless noted otherwise. This design require 6 ksi concrete strength at transfer.

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

Yes	No	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Standard Plans –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	FDOT Design Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Basis of Estimates Manual –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Standard Specifications –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Approved Product List –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Construction –
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Maintenance –

**Origination Package Includes:**

(Email or hand deliver package to Rick Jenkins)

Yes	N/A	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Redline Mark-ups
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Proposed Standard Plan Instruction (SPI)
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Revised SPI
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Other Support Documents

**Implementation:**

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

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Contact the Roadway Design Office for assistance in completing this form


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**GENERAL NOTES:**

1. Work these Index drawings with the Strain Pole Schedule in the Plans.
2. Shop Drawings: This Index is considered fully detailed and no shop drawings are necessary. Submit shop drawings for minor modifications not detailed in the plans.
3. Materials:
  - A. Concrete: Class V Special or Class VI **with 4 ksi minimum strength at transfer**
  - B. Prestress Strands & Spiral Reinforcing: Specification 641 **with 6.5 ksi minimum strength at transfer**
  - C. Hand and coupler cover plates: Non-corrosive material
  - D. Screws: Round headed, chrome plated
4. Fabrication:
  - A. Pole Taper for pole width, strands, reinforcing and void: 0.081 in/ft per face.
  - B. Concrete Cover: 1" minimum
  - C. Spiral Reinforcing: As shown, plus one turn for splices and two turns at both the tip and butt ends of the pole.
  - D. The design dimensions for Front Face (FF) and Back Face (BF) of the poles may vary transversely from the section shown by  $\pm \frac{1}{4}$ " to assist with removal from forms. Balance addition and subtraction of the face widths to maintain section areas shown.
  - E. Tie ground wires to the interior of reinforcing steel to prevent displacement during concreting operations.
  - F. Cut the tip end of the prestressed strand first or simultaneously with the butt end.
  - G. Provide cover plates and screws for hand hole and couplers. Attach cover plates to the poles using lead anchors or embedded threaded inserts.
  - H. Provide Aluminum Identification Tags on the poles with the following information:
    - a. Financial Project ID.
    - b. Pole Manufacturer
    - c. Standard Pole Type Number
    - d. Pole Length (L)
5. Support locations are for strand release, storage, lifting and transport. Keep BF oriented downward until final erection.
6. Pick-up and support locations shown may vary within a tolerance of  $\pm 3$ ".
7. Two point attachment: provide an eye bolt hole for the messenger wire.
8. Tether Wire: When required, field-drill the eyebolt hole prior to installation

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11/01/20

LAST REVISION <del>11/01/17</del>	REVISION	DESCRIPTION:	 FY 2020-21 STANDARD PLANS	CONCRETE POLES	INDEX 641-010	SHEET 1 of 8
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LAST REVISION 11/01/20	REVISION	DESCRIPTION:	 <b>FY 2021-22</b> <b>STANDARD PLANS</b>	<b>CONCRETE POLES</b>	INDEX <b>641-010</b>	SHEET <b>1 of 8</b>
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