GENERAL NOTES:

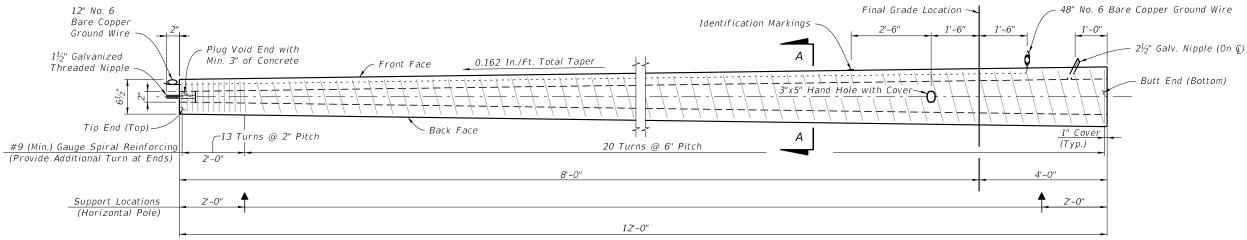
- Work these Index drawings with the Strain Pole Schedule in the Plans. Shop Drawings: This Design Standard is considered fully detailed and no shop drawings are necessary. Submit shop drawings for minor modifications not detailed in the plans.
- Materials:
 - Concrete: Class V Special or Class VI
 Prestress Strands & Spiral Reinforcing: Specification Section 641
 Hand and coupler cover plates: Hand and coupler cover plates: Non-corrosive material
- Screws: 4. Fabrication:
 - A. Pole Taper for pole width, strands, reinforcing and void: 0.081 in/ft per face. B. Concrete Cover: 1" minimum

 - Spiral Reinforcing: As shown, plus one turn for splices and two turns at both the tip and butt ends of the pole.
 - 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.
 - Tie ground wires to the interior of reinforcing steel to prevent displacement during concreting operations.

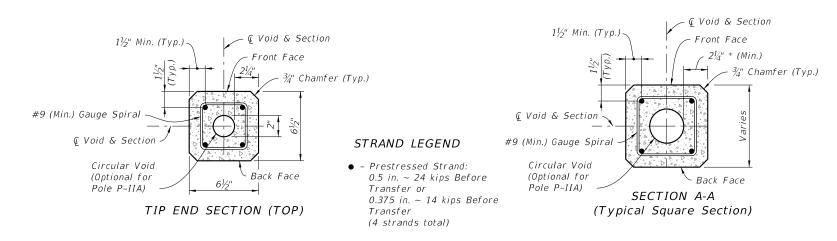
Round headed, chrome plated

- Cut the tip end of the prestressed strand first or simultaneously with the butt end
- Provide cover plates and screws for hand hole and couplers. Attach cover plates to the poles using lead anchors or embedded threaded inserts.
- Provide Aluminum Identification Tags on the poles with the following information:
 - Financial Project ID.
 - Pole Manufacturer
 - Standard Pole Type Number
- d. Pole Length (L)
- Support locations are for strand release, storage, lifting and transport. Keep BF oriented downward until final erection.
- Pick-up and support locations shown may vary within a tolerance of ± 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

DESCRIPTION:



PEDESTAL POLE P-IIC (12 Ft.) ELEVATION (Strands Not Shown)



NOTES:

Final Grade Location -

Identification Markings

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance of 4 Ft. (for P-IIA & P-IIC) or 10 Ft. (for P-IIB) from the Tip End.

· 48" No. 6 Bare Copper Ground Wire

Type P-IIA Type P-IIB

Type P-IIA

Type P-IIB

Type P-IIA

Type P-IIA

Type P-IIB

Type P-IIB

Butt End (Bottom)

* Dimension may vary from 2½" to 3½" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 2".

SERVICE AND PEDESTAL POLE TYPE P-II

LAST REVISION 11/01/16

DESCRIPTION:

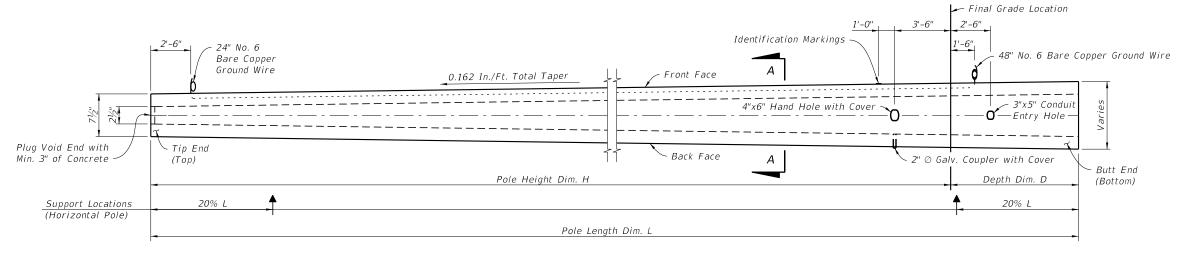
FDOT

FY 2017-18
DESIGN STANDARDS

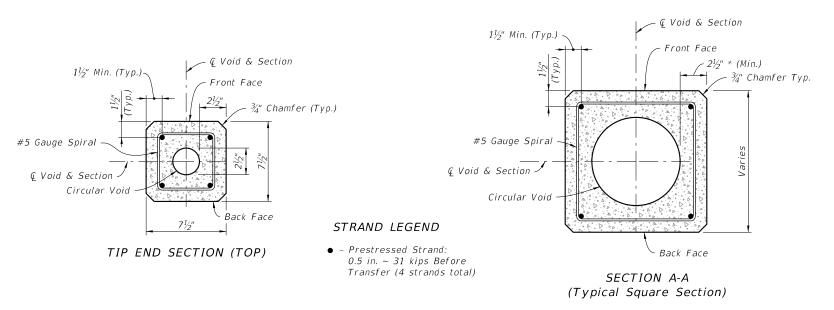
CONCRETE POLES

INDEX NO. 17725 SHEET NO. 2 of 8

SPIRAL REINFORCING ELEVATION (Strands, Holes, and Fixtures Not Shown)



POLE ELEVATION (Strands and Reinforcing Not Shown)



NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 33.3% L from Tip End.

* Dimension may vary from $2\frac{1}{2}$ " to $3\frac{3}{4}$ " to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than $2\frac{1}{2}$ ".

POLE TYPE P-III

REVISION 11/01/16

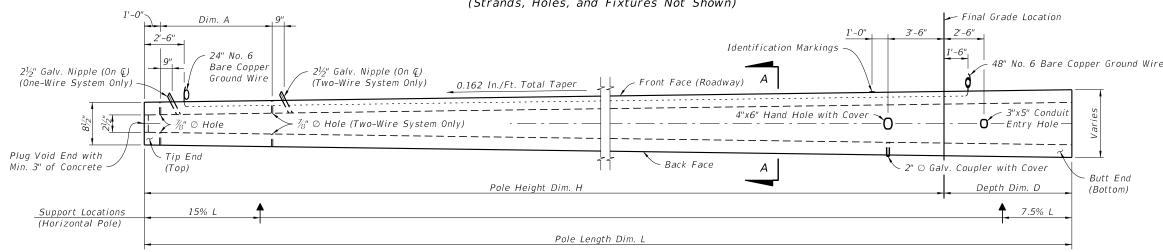
DESCRIPTION:

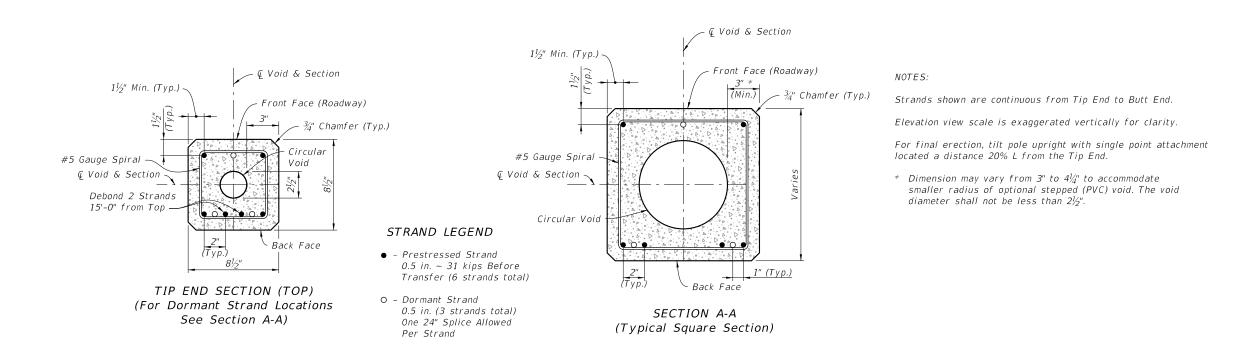
FY 2017-18 DESIGN STANDARDS

CONCRETE POLES

INDEX NO. 17725

SHEET NO. 3 of 8





STRAIN POLE TYPE P-IV

LAST REVISION 11/01/16

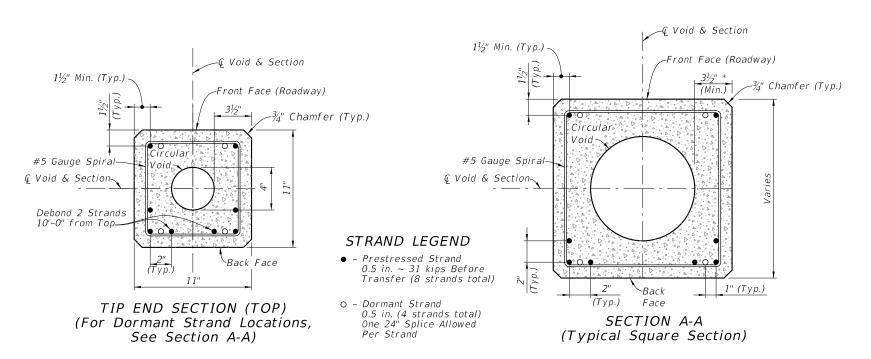
DESCRIPTION:

FDOT

FY 2017-18

DESIGN STANDARDS

Pole Length Dim. L



NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 12.5% L from the Tip End.

* Dimension may vary from $3\frac{1}{2}$ " to $4\frac{3}{4}$ " to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than 4".

STRAIN POLE TYPE P-V

REVISION 11/01/16

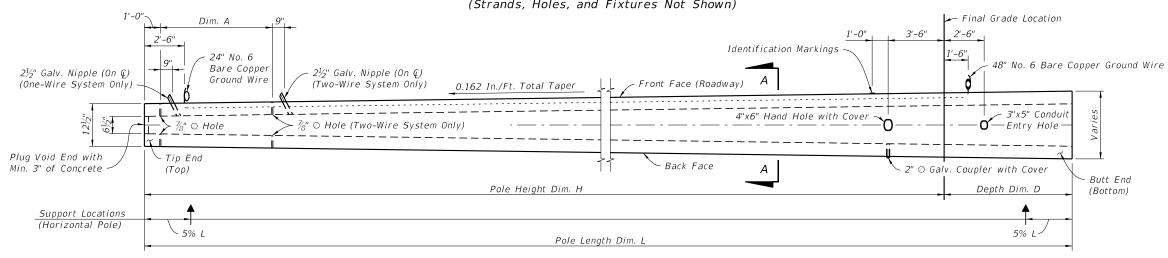
DESCRIPTION:

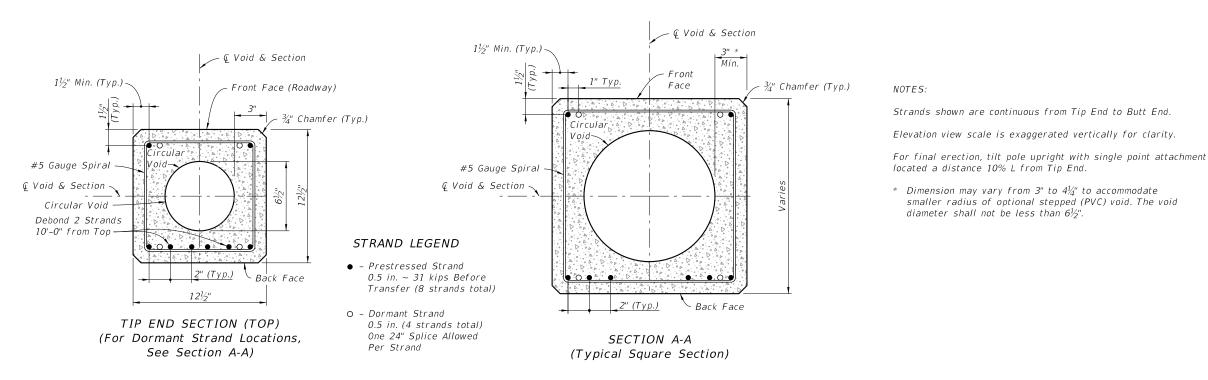
FY 2017-18 **DESIGN STANDARDS**

CONCRETE POLES

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SHEET NO. 5 of 8





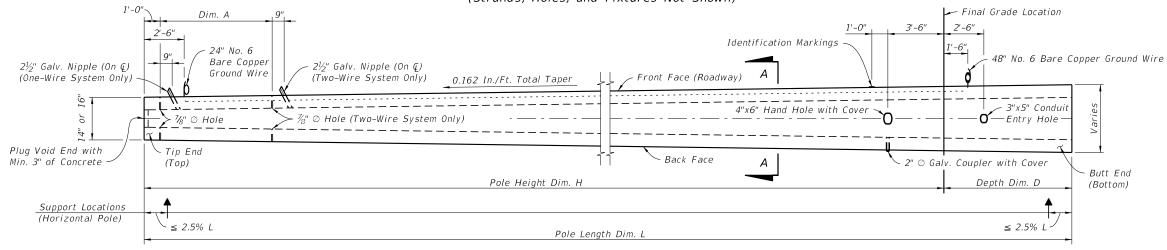
STRAIN POLE TYPE P-VI

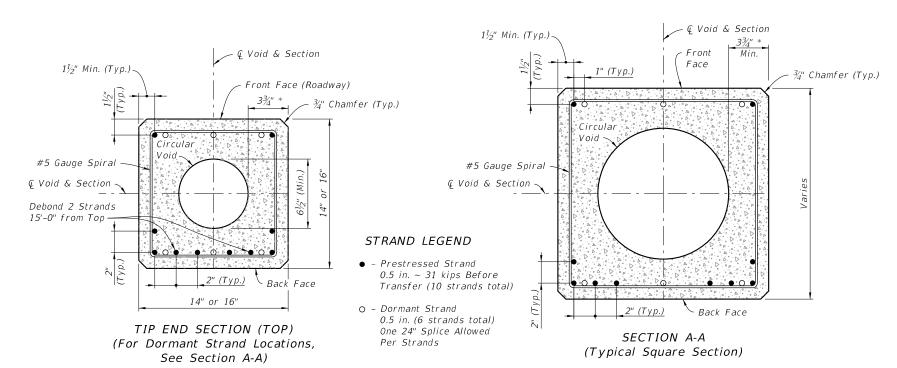
LAST REVISION 11/01/16

DESCRIPTION:

FDOT

FY 2017-18 DESIGN STANDARDS





NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 10% L from the Tip End.

* Dimension may vary from $3\frac{3}{4}$ " to 5" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than $6\frac{1}{2}$ ".

STRAIN POLE TYPE P-VII

REVISION 11/01/16

DESCRIPTION:

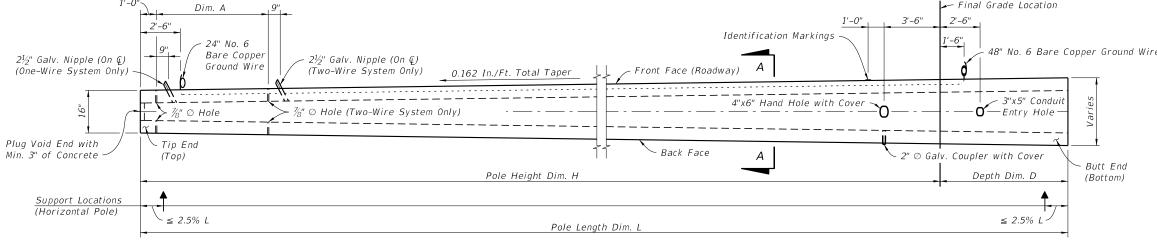
FDOT

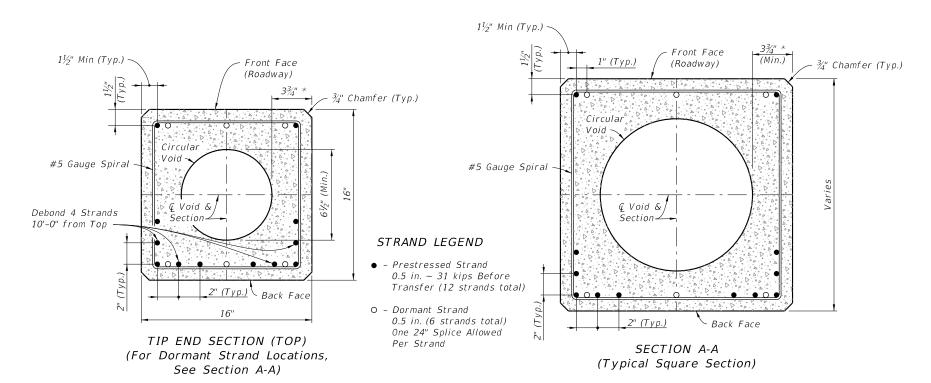
FY 2017-18 DESIGN STANDARDS

CONCRETE POLES

INDEX NO. 17725

SHEET NO. 7 of 8





NOTES:

Strands shown are continuous from Tip End to Butt End.

Elevation view scale is exaggerated vertically for clarity.

For final erection, tilt pole upright with single point attachment located a distance 10% L from the Tip End.

* Dimension may vary from $3\frac{3}{4}$ " to 5" to accommodate smaller radius of optional stepped (PVC) void. The void diameter shall not be less than $6\frac{1}{2}$ ".

STRAIN POLE TYPE P-VIII

REVISION 11/01/16

DESCRIPTION:

FDOT

FY 2017-18 DESIGN STANDARDS CONCRETE POLES

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