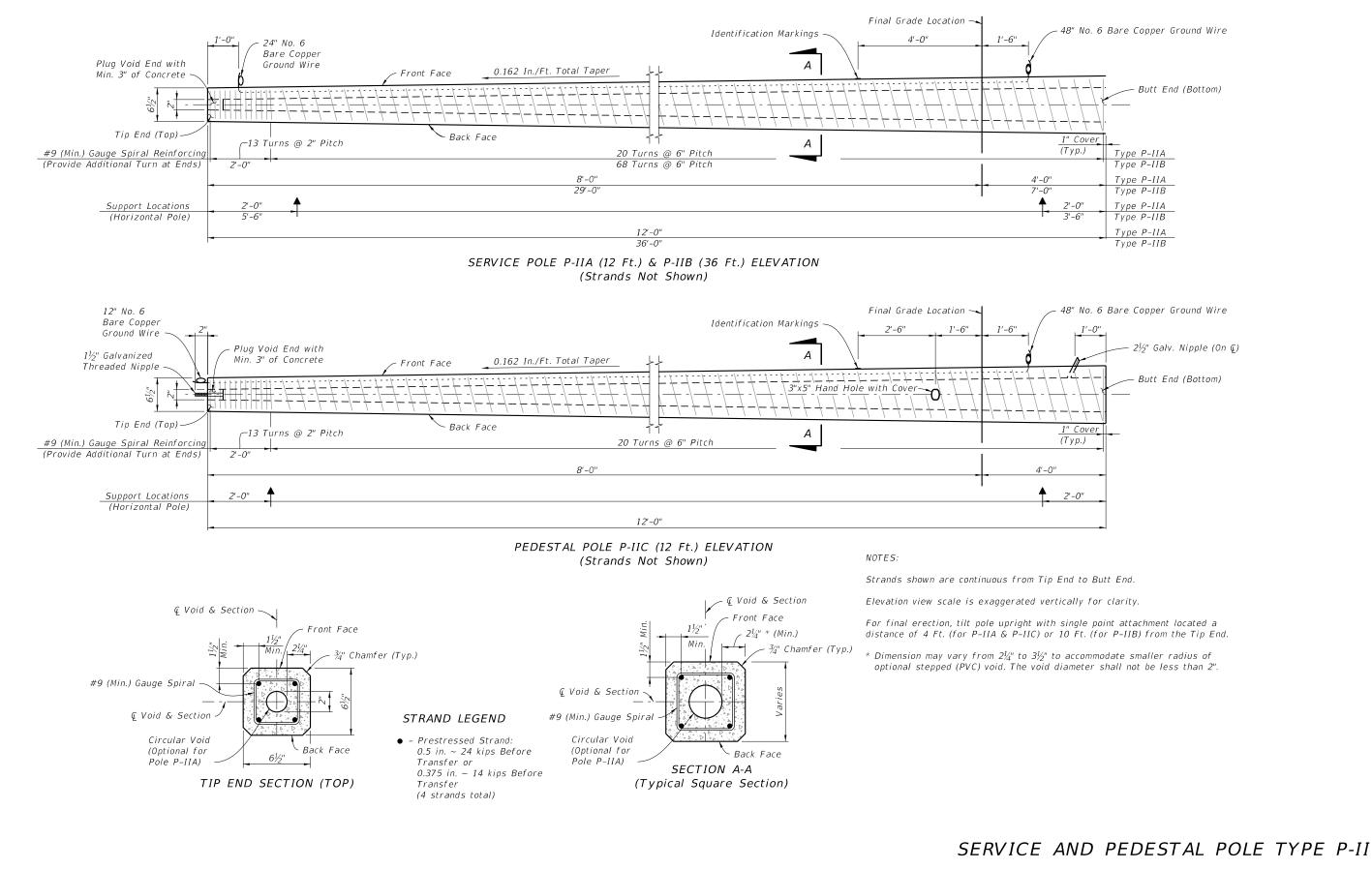
GENERAL NOTES:

- 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: 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

 - 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.
 - 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:



10.1

LAST REVISION 07/01/15

DESCRIPTION:

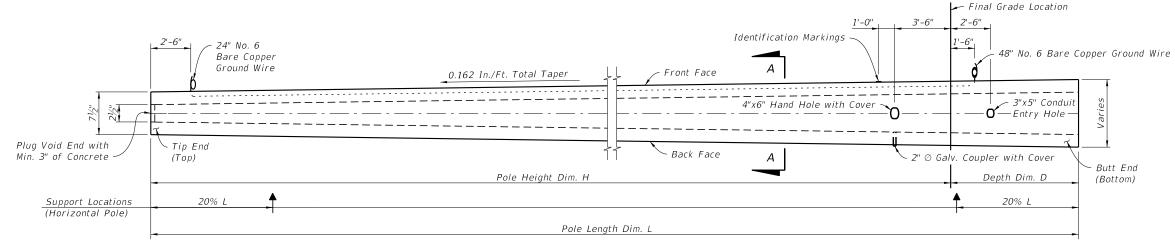
FDOT

FY 2016-17 DESIGN STANDARDS

CONCRETE POLES

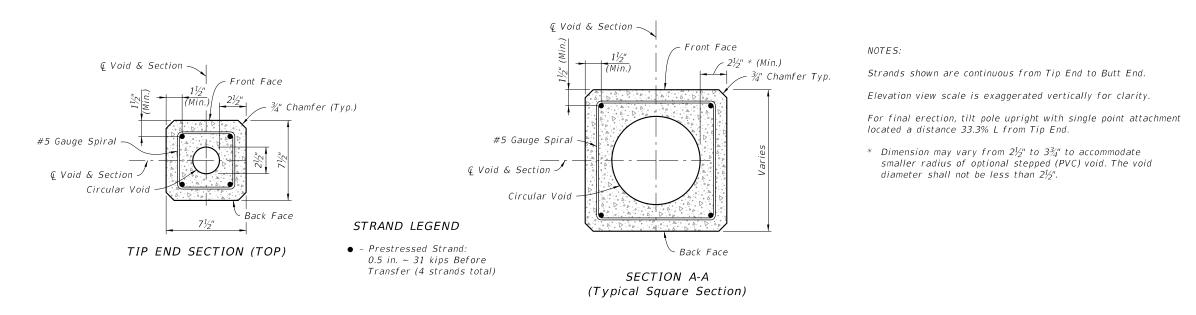
INDEX NO. 17725 SHEET NO. 2 of 8

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



POLE ELEVATION

(Strands and Reinforcing Not Shown) (See Design Standard Index 17900 and Specification 744 for Modifications to Type P-III Poles Used at Traffic Monitoring Sites)



LIGHTING AND TRAFFIC MONITORING POLES TYPE P-III

REVISION 07/01/15

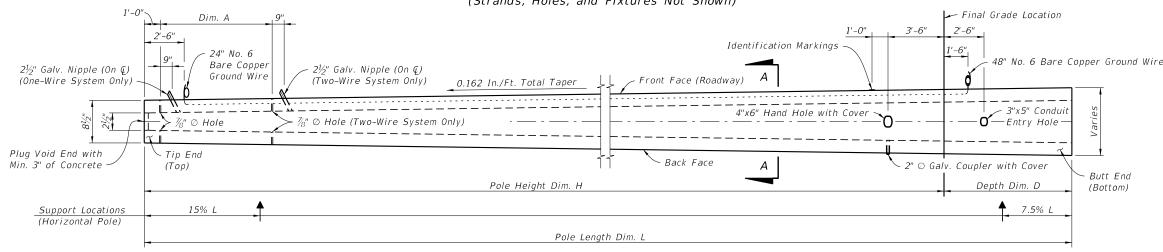
DESCRIPTION:

FY 2016-17 DESIGN STANDARDS

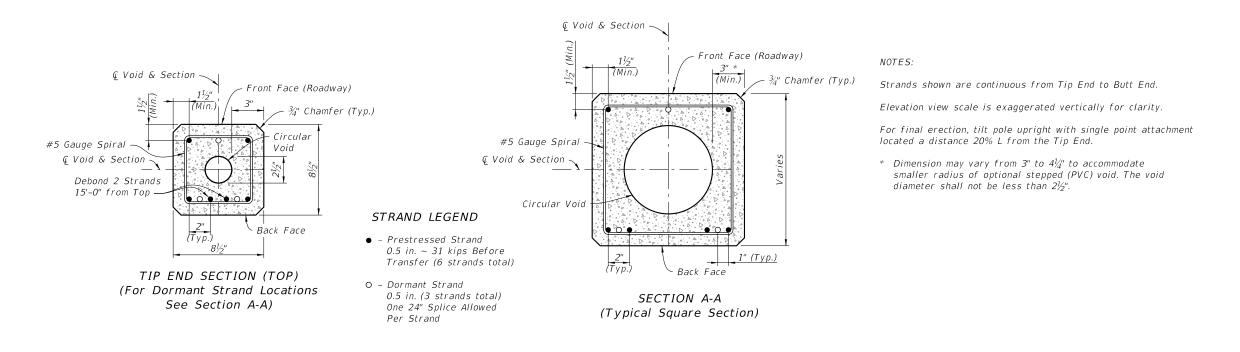
CONCRETE POLES

INDEX NO. 17725

SHEET NO. 3 of 8



POLE ELEVATION (Strands and Reinforcing Not Shown)



STRAIN POLE TYPE P-IV

LAST **REVISION** 07/01/14

DESCRIPTION:

FDOT

FY 2016-17 DESIGN STANDARDS

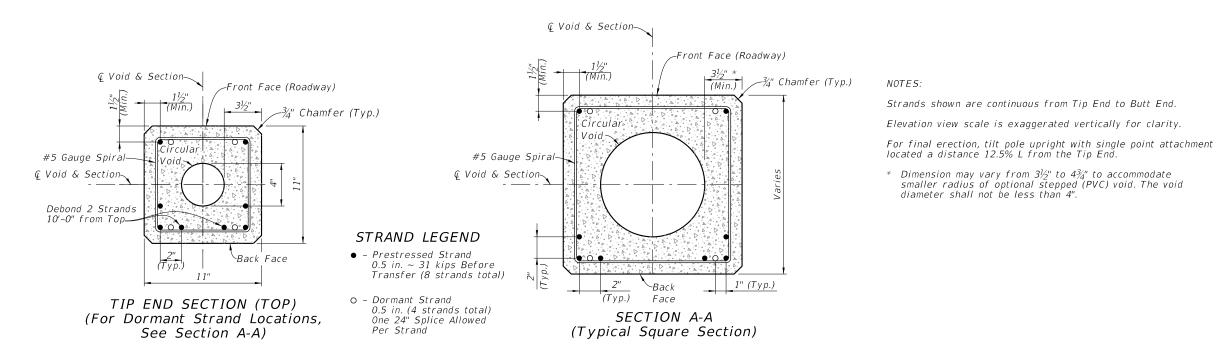
CONCRETE POLES

INDEX NO. 17725

SHEET NO. 4 of 8

POLE ELEVATION (Strands and Reinforcing Not Shown)

Pole Length Dim. L



STRAIN POLE TYPE P-V

LAST REVISION 07/01/15

DESCRIPTION:

Support Locations (Horizontal Pole)

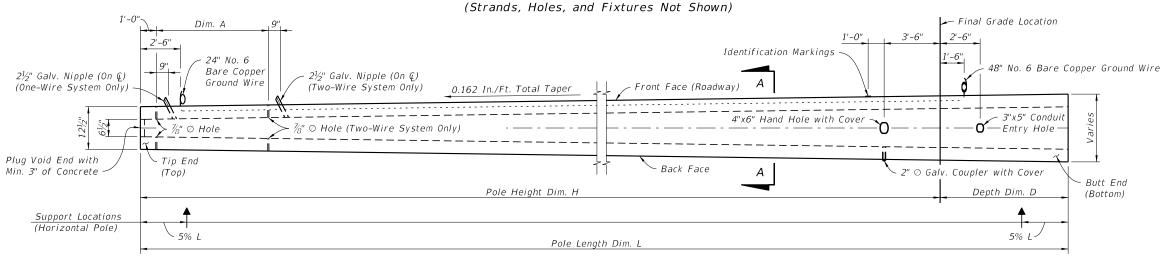
FDOT

FY 2016-17 DESIGN STANDARDS

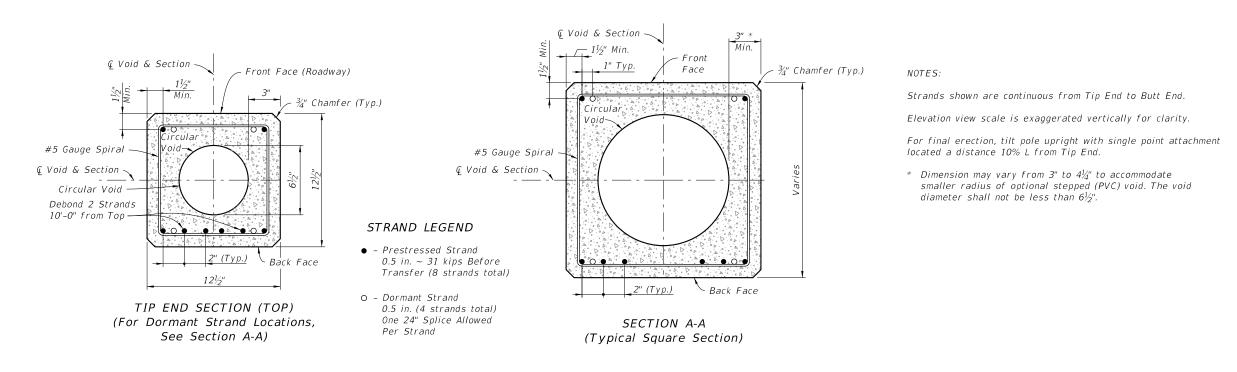
CONCRETE POLES

INDEX NO. 17725

SHEET NO. 5 of 8



POLE ELEVATION (Strands and Reinforcing Not Shown)



STRAIN POLE TYPE P-VI

REVISION 07/01/15

DESCRIPTION:

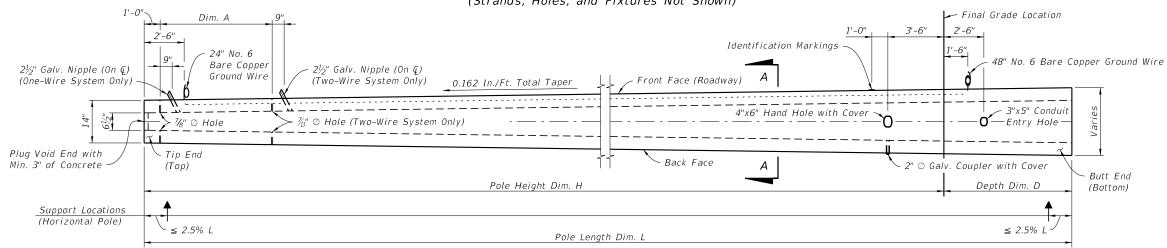
FDOT

FY 2016-17 DESIGN STANDARDS

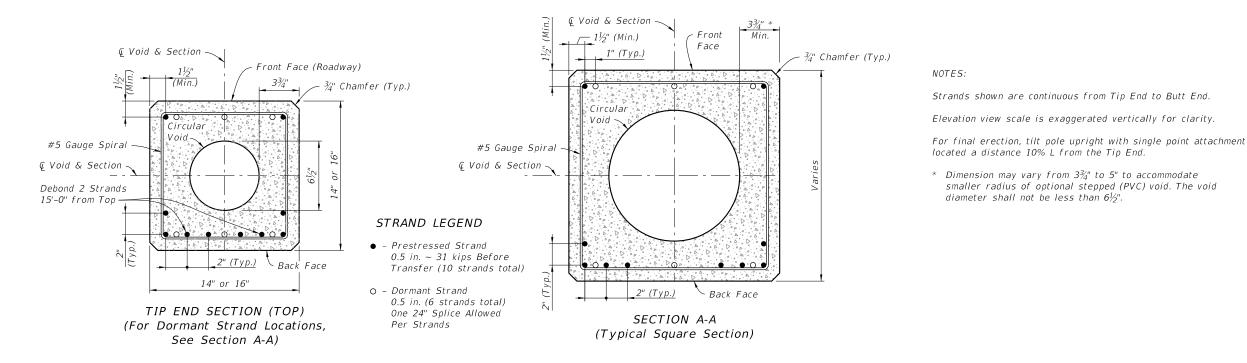
CONCRETE POLES

INDEX NO. 17725

SHEET NO. 6 of 8



POLE ELEVATION (Strands and Reinforcing Not Shown)



STRAIN POLE TYPE P-VII

REVISION 07/01/15

DESCRIPTION:

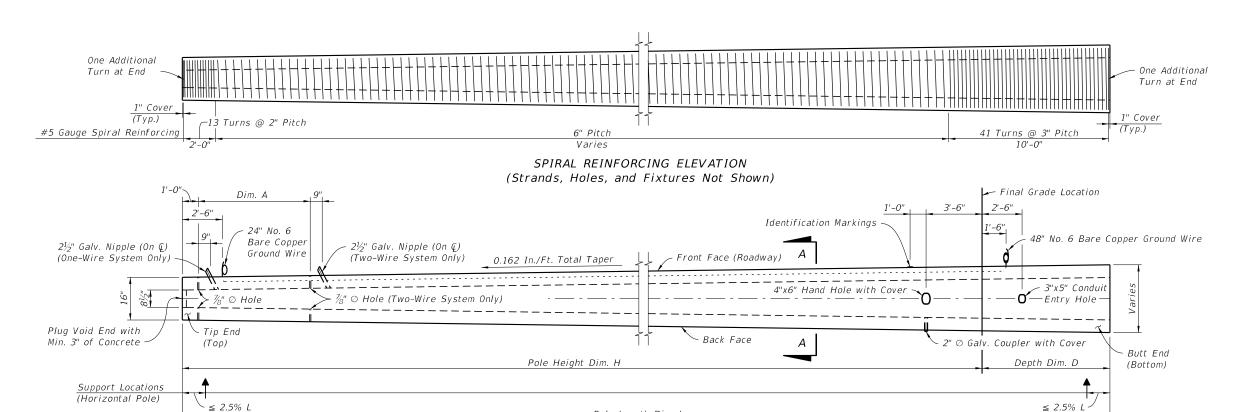
FDOT

FY 2016-17 DESIGN STANDARDS

CONCRETE POLES

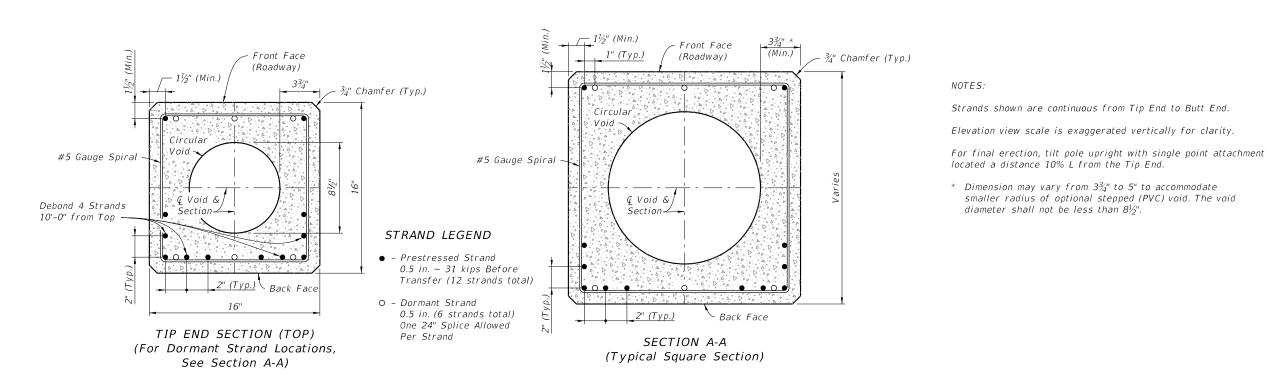
INDEX NO. 17725

SHEET NO. 7 of 8



POLE ELEVATION (Strands and Reinforcing Not Shown)

Pole Length Dim. I



STRAIN POLE TYPE P-VIII

REVISION 07/01/15

DESCRIPTION:

FDOT

FY 2016-17 DESIGN STANDARDS