

**ITEM 031070**

**Item 0310701 - ORNAMENTAL BASE FOR POLE-TYPE I (8"-12" DIA.)**

**Item 0310702 - ORNAMENTAL BASE FOR POLE-TYPE II (12"-16" DIA.)**

**DESCRIPTION**

Work under this item shall consist of furnishing and handling ornamental bases to fit around the bases of span poles and mast arm poles at the locations shown on the plans or as directed by the Engineer in conformity with these specifications. Ornamental base shall be as manufactured by Pelco Products, Inc. or approved equal.

**REFERENCED ITEMS**

None

**REQUIRED SUBMITTALS**

Material Certificate of Compliance:

Submit 5 copies of material certificate of compliance for pole base in accordance with the contract general requirements.

Shop Drawings:

Submit 5 copies of shop drawings for pole base in accordance with the contract general requirements.

**MATERIALS**

All ornamental bases shall be cast from aluminum alloy 319 or approved equivalent, free from voids, pits, dents, molding sand and foundry grinding marks. All design radii shall be smooth and intact exterior surface finish shall be smooth and cosmetically acceptable, free of molding fins, cracks and other exterior blemishes.

Ornamental bases shall be fabricated from aluminum ingot with the following minimum requirements:

Aluminum alloy	319
Yield Strength, KSI	18
Tensile Strength, KSI	27
Brinell Hardness	70

Elongation (% in 2 inches) 2

The ornamental base shall be fabricated with dimensions and design characteristics as shown in this specification.

### **CONSTRUCTIONS METHODS**

All manufacturer instructions shall be adhered to in the installation of ornamental bases. All instructions shall be furnished to the Engineer prior to installation for review and comment.

The ornamental base shall consist of four interchangeable quarter sections. Quarter sections shall be secured together at the top and bottom with minimum 1/4"-20 stainless steel, tamper proof screws.

Ornamental bases shall have an anodize conversion coating to provide proper base for paint. The color of the entire assembly shall be as shown on the plans, or as approved by the engineer.

The contractor shall ensure plumpness of the base.

The ornamental base shall accommodate poles of various diameters. To ensure that the top of each ornamental base fits snugly around each pole, the Contractor will take pole measurements and convey them to the manufacturer.

The bottom of the ornamental base will completely cover the top of the pole foundation. Any remaining gap between the base and the top of the sidewalk shall be sealed with grout. The top of the concrete collar shall be made so that it is perpendicular with the longitudinal centerline of the pole. It may be necessary for the contractor to saw cut the comers of the existing pole foundation footings in order for the ornamental base to fit. The outer edge of the concrete collar shall be made flush with the outer edge of the ornamental base.

Field adjustments to the top of new and existing concrete pole foundations may be required in order to accommodate the internal clearance of decorative bases. The Contractor shall propose a method for such field adjustments, in writing, to the Engineer for approval prior to installing the ornamental bases.

A sample of each decorative pole base shall be supplied to the Engineer for approval prior to ordering.

### **METHOD Of MEASUREMENT**

Work under these items will be measured for payment by the actual number of Ornamental Base for Pole, of the type specified, installed and accepted in place at each pole with necessary appurtenances.

**BASIS FOR PAYMENT**

This work will be paid for at the contract unit price for each "ORNAMENTAL BASE FOR POLE-TYPE I (8"-12" Dia.)" or "ORNAMENTAL BASE FOR POLE-TYPE II (12"-16" Dia.), which price shall include all materials, tools, equipment, labor and work incidental thereto.

<u>PAY ITEM</u>	<u>DESCRIPTION</u>	<u>PAY UNIT</u>
0310701	Ornamental Base for Pole Type I (8"-12" Dia.)	EA
0310702	Ornamental Base for Pole Type II (12"-16" Dia.)	EA