

SECTION 16687

PEDESTAL POLE ASSEMBLIES

PART 1 DESCRIPTION

- A. Furnish and install pedestal pole assemblies for vehicle and pedestrian signals.

PART 2 MATERIALS

- A. Furnish new materials in accordance with the following Items and with details shown on the plans:
 - 1. Item 16445, "Galvanizing"
 - 2. Item 16449, "Anchor Bolts"
 - 3. Item 16656, "Foundations for Traffic Control Devices."

2.01 PEDESTAL POLE

- A. Provide 4 in. diameter schedule 40 steel pipe or tubing, aluminum pipe (alloy 6061 T6), or rigid metal conduit. Do not use aluminum conduit. Galvanize pedestal pole assemblies in accordance with Item 16445, "Galvanizing," unless otherwise shown on the plans.

PART 3 CONSTRUCTION

- A. Install foundations in accordance with Item 16656, "Foundations for Traffic Control Devices."

3.01 PEDESTAL POLE BASE

- A. Ground the base with connectors to the 1/2 13 NC female threaded hole. Fabricate the base for 4 L bend anchor bolts arranged in a square pattern with a 12 3/4 in. bolt circle. Provide mild steel anchor bolts in accordance with Item 16449, "Anchor Bolts," for each base. Provide three 1/16 in. thick and three 1/8 in. thick U shaped galvanizing steel shims for each base. Size shims to fit around the anchor bolts.

3.02 INSTALLATION

- A. Install pedestal pole assemblies as shown on the plans or as directed. Pedestal pole assemblies include foundation, pole shaft, base, anchor bolts, anchor bolt nuts, anchor bolt template, shims, and miscellaneous components. Watertight breakaway electrical disconnects are required for pedestal pole assemblies used in conjunction with vehicle and pedestrian heads and components.

- B. Use established industry and utility safety practices to erect assemblies near overhead or underground utilities. Consult with the appropriate utility company prior to beginning such work.
- C. Repair damaged galvanizing in accordance with Section 16445.3.D, "Repairs."

3.03 PAINTED FINISH

- A. When required, paint pedestal pole assemblies in accordance with details shown on the plans.

PART 4 MEASUREMENT

- A. This Item will be measured by each pedestal pole assembly.

PART 5 PAYMENT

- A. The work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at the unit price bid for "Pedestal Pole Assembly." This price is full compensation for furnishing and installing the shaft; base, shims, anchor bolts, and foundation; and materials, equipment, labor, tools, and incidentals.
- B. New signal heads will be paid for under Item 16682, "Vehicle and Pedestrian Signal Heads."

END OF SECTION