

**DESCRIPTION**

Under this item the CONTRACTOR shall furnish and install new pedestrian push buttons. The button shall be cast aluminum with a corrosion resistant microswitch.

**MATERIALS**

**CAST ALUMINUM CASE AND COVER.** The case shall be an aluminum casting. The depth shall be a minimum of 1 ¾". The rear shall be curved to permit mounting on 4" IPS pole as well as mounting on a flat surface.

At the rear of the case at the center shall be a wire entrance of ¾" diameter.

On the vertical centerline, on 1 ¼" approximately centers shall be two holes for securing the case to a pole or cabinet. The case shall be reinforced at these holes to provide adequate bearing surface.

Four drilled and tapped holes shall be provided for mounting the cover upon the case with either boss upward.

**COVER:** The cover shall be the same size as the case, so as to provide a smooth outline. A corrosion resistant push button shall be located in a well on the case. Over the push case shall be smooth lip to minimize entry of water into the case. A drain hole shall be located in the bottom of the well and shall open to the bottom of the case.

Four countersunk holes shall be provided in the front of the case for mounting the cover on the case.

Four stainless steel Allen head screws shall be provided to mount the cover.

The push button shall be made of non-corrosive material and the stem of the button that comes in contact with the housing shall be Teflon coated or plastic so as to resist a corrosive environment and prevent sticking. As an alternate, a Teflon sleeve may be inserted in the housing in lieu of coating the bottom stem.

**SWITCH AND PUSH BUTTON.** The single pole momentary contact normally open switch shall be attached to the rear of the cover. The switch shall be entirely enclosed electrically and insulated from the housing and push button. All metal switch parts shall be of corrosion resistant material. Contacts shall be of a material suitable for usage in highway salty air atmosphere. Screw type terminals for lugs shall be provided for wire connections. The switch shall be capable of operating on 12 or 24 voltage circuit. All switches shall be of the micro type and shall be rated for 5 amp 125 VAC. Actuation pressure < 2 pounds. Click Feedback upon actuation.

No magnetic switches shall be used. The push button shall have a maximum diameter of ½" and shall not protrude more than ½" from outer cover.

**FINISH.** The entire assembly with the exception of the push button shall be painted Federal Yellow on the outside as indicated on the plans. The inside may be unpainted, but corrosive proof.

**SIGN**

Pedestrian signs shall be in accordance with the details as shown on the plans.

**BASIS OF ACCEPTANCE**

Acceptance of buttons covered by this specification will be based on manufacturer’s certification of compliance with the specification requirements signed by an officer of the company. Detailed drawings of the buttons shall be submitted with the certification.

**METHOD OF MEASUREMENT**

The buttons will be measured for payment as the number of each unit furnished and installed in accordance with the contract documents or as ordered by the ENGINEER.

**BASIS OF PAYMENT**

The unit bid price for each button shall include all the items specified in the material and construction details including assembly and erection, as required.

Payment will be made under:

<b><u>Item No.</u></b>	<b><u>Item</u></b>	<b><u>Pay Unit</u></b>
C686.8026	Pedestrian Push Button	EA