

SECTION 02745**PUSH BUTTONS****02745.01 GENERAL****A. Description**

Push buttons shall include, but not necessarily be limited to, furnishing and installing pedestrian push buttons and the installation of push button signs as shown on the Plans and in accordance with the Contract Documents or as directed by the Engineer.

B. Related Work Included Elsewhere

1. General electrical work; Section 02730.
2. Signal poles; Section 02750.

C. Quality Assurance

The Engineer will inspect all materials and work to ensure compliance with the Contract Documents.

D. Submittals

Shop drawings shall be submitted as specified in the "General Provisions" and Section 02730.01 for all push buttons.

02745.02 MATERIALS**A. Materials Furnished by the County**

The County will not furnish any materials for push button installation but will furnish push button signs.

B. Contractor's Options

Not applicable.

C. Detailed Material Requirements

1. Hardware

All hardware shall be corrosion resistant material compatible to the item being installed.

2. Push Button Assemblies

Push button assemblies shall be constructed of heavy cast aluminum.

The backside of the push button frame shall be flat for surface mounting, and a contoured bracket shall be furnished with each push button for pole mounting.

All exposed screws on the push button station shall be tamper proof, stainless steel or other rust resistant material, as approved by the Engineer.

Push buttons shall operate on a circuit not to exceed 24 volts DC.

3. Signs

Push button signs shall be obtained by the Contractor through the Engineer, to be picked up at the County Traffic Signals Shop 409 Broadneck Road with all transportation costs to and from the job site to be the responsibility of the Contractor.

02745.03 EXECUTION

Push buttons shall be installed where shown on the Plans or at other locations as directed by the Engineer.

Push buttons shall be located in such a manner so as to clearly indicate to the pedestrian which crosswalk or crosswalks are actuated by each push button as shown on the Plans.

The cable for push buttons shall be brought through the rear of each from a steel pole, controller cabinet or post. Entrance holes shall be grommeted.

Splicing of cable will not be permitted.

02745.04 METHOD OF MEASUREMENT

Measurement for push buttons and push button signs will be made of the number satisfactorily installed.

02745.05 BASIS OF PAYMENT

Payment for push buttons and push button signs will be made at the price bid for each installed complete in place. The price bid shall include furnishing and installing all materials, including wiring, hardware and fittings, labor, and incidentals necessary to complete this item of work as shown and specified in strict accordance with the Contract Documents.