ITEM# 1017109A ‑ SERVICE DISCONNECT SWITCH

Description:

Furnish and install a service disconnect switch at the location shown on the plans or as directed by the Engineer.

Materials:

* Disconnect Switch
  + Heavy Duty
  + UL listed
  + Non-fusible
  + Manual single throw safety switch
  + NEMA 4X Enclosure
  + Enclosure must have a threaded hub at the top.
  + Enclosure must include dual cover interlock.

Construction Methods:

Comply with the National Electric Code (NEC), National Electric Safety Code (NESC), Public Utility Regulatory Authority (PURA), and the serving power company requirements. Install a heavy duty non-fusible service disconnect switch on the service pole specified on the plans. The heavy duty non-fusible service disconnect switch shall be installed on the pole at a height of 10 feet to the top of the enclosure to provide a means to de-energize the traffic signal for maintenance or repair work in the future. The contractor shall install the service cable on both the load and line side of the disconnect switch, leaving a 5-foot length of cable extended from the weatherhead for the power company to make the final connection for 120-volt control power. Ensure all circuit breakers in the traffic control cabinet are off when service is connected by the power company. In conjunction with the requirements in Section 1.07, the work must be inspected and approved by the Engineer or their designated representative prior to scheduling a service connection. Record the date service is connected for billing purposes.

Method of Measurement:

The installation of the Service Disconnect Switch will be measured for payment by the number installed, with service connected, and accepted in place.

Basis of Payment:

This work will be paid for at the contract unit price each for "Service Disconnect Switch" complete and accepted in place. The price shall include all materials, including the enclosure, fittings, all the hardware, equipment, tools, labor and work incidental thereto.

## Pay Item Pay Unit

Service Disconnect Switch Ea.