

SECTION 815 — SAW CUTS FOR TRAFFIC CONTROL DEVICES

815.01 DESCRIPTION. This work shall consist of saw cutting and sealing the saw cuts for traffic control devices, within and alongside the roadway, between the detector location and the nearest terminal point as specified in the Contract Documents or as directed by the Engineer.

815.02 MATERIALS.

Sealer

911.06

815.03 CONSTRUCTION.

815.03.01 Saw Cut. Prior to saw cutting, holes shall be drilled at all turns as specified in the Contract Documents. All saw cuts shall be made utilizing a water quenched process. Saw cutting curbs and gutters is prohibited. The saw cut width shall be as specified in the Contract Documents.

815.03.02 Saw Cut Sealing. Sealer used to seal saw cuts shall be applied as specified in the manufacturer's recommendations into washed, cleaned, and dried saw cuts. The saw cuts shall not be sealed until electrical testing is performed as specified in Section 820. Sealer shall not be poured when the roadway surface temperature is below 35 F or during any precipitation.

815.04 MEASUREMENT AND PAYMENT. Saw Cuts for Traffic Control Devices will be measured and paid for at the Contract unit price per linear foot. The payment will be full compensation for all drilled holes, washing, cleaning, drying, sealing, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

SECTION 816 — TRAFFIC CONTROL DEVICE CABINETS AND EQUIPMENT

816.01 DESCRIPTION. This work shall consist of installing Administration furnished traffic signal controllers and cabinets, furnishing and installing traffic signal controllers and cabinets, and furnishing and installing lighting control cabinets for highway and sign lighting as specified in the Contract Documents or as directed by the Engineer.

816.02 MATERIALS.

Conduit	902.10, 921.07.01, 921.07.03, and 950.11
Control and Distribution Equipment	950.13
Anchor Bolts, Hardware, Cabinets and Controllers	Furnished by, or as approved by the Office of Traffic and Safety

816.03 CONSTRUCTION.

816.03.01 Base Mounted Traffic Signal Cabinets. Base mounted cabinets shall be mounted on concrete foundations conforming to Section 801 and as specified in the Contract Documents. Conduit shall be furnished and installed as specified in Section 805.

816.03.02 Pole Mounted Traffic Signal Cabinets. Pole mounted cabinets shall be installed as specified in the Contract Documents. Conduit shall be furnished and installed as specified in Section 805.

816.03.03 Base Mounted Lighting Cabinets. Where base mounted lighting cabinets are specified, the Contractor shall furnish and install an equipment enclosure, panel boards, transformers, circuit breakers, lighting contactor, relay, photoelectric controls, thermostats, selector switches, fans, lightning arresters, conduit, wiring and wiring devices, ground fault interrupters, and all other equipment necessary to provide a complete functioning lighting cabinet as specified in the Contract Documents. All electrical outlets shall be protected by ground fault interrupters (GFI).

816.03.04 Pole Mounted Lighting Cabinets. Where pole mounted lighting cabinets are specified, the Contractor shall furnish and install a NEMA 4x, stainless enclosure with attachment hardware for attaching the unit to a utility pole, wood post or traffic control device structure. Included electrical equipment shall be a 60 amp, 2 pole main circuit breaker; a 60 amp, 2 pole electrically held lighting contactor; four 2 pole circuit breakers at the amperage specified in the Contract Documents; photoelectric control; lightning arrester; and all incidentals necessary to provide a complete lighting control unit.

816.04 MEASUREMENT AND PAYMENT.

816.04.01 Installing Administration furnished Signal Controllers and Cabinets or Furnishing and Installing Contractor furnished Traffic Signal Controllers and Cabinets will be measured and paid for at the Contract

unit price per each for the pertinent item. The payment will be full compensation for furnishing the controller or cabinet when specified, installation, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

816.04.02 Concrete foundations will be measured and paid for as specified in 801.04.

816.04.03 Conduit will be measured and paid for as specified in 805.04.

816.04.04 Ground rods will be measured and paid for as specified in 804.04.

816.04.05 Lighting Cabinets will be measured and paid for at the Contract unit price per each of the type and size as specified in the Contract Documents. The payment will be full compensation for all enclosures, panel boards, transformers, circuit breakers, contactors, relays, photoelectric controls, thermostats, fans, selector switches, ground fault interrupters, lightning arresters, conduit, internal wiring, wiring devices, and for all material, labor, equipment, tools, and incidentals necessary to complete the work.

SECTION 817 — PUSH BUTTONS AND PUSH BUTTON SIGNS

817.01 DESCRIPTION. This work shall consist of furnishing and installing round pedestrian push button assembly with 2 in. plunger and push button signs at locations specified in the Contract Documents, or as directed by the Engineer.

817.02 MATERIALS.

Retroreflective Sheeting (Type II)	950.03.01
Push Button Sign	950.08
Push Buttons	A 319

The push button assembly shall be weather-tight and tamper proof. The assembly shall be designed to prevent an electrical shock under any weather condition and shall have provisions for grounding in conformance with the NEC.

- (a) The push button assembly shall be fabricated from aluminum ingot and have an anodized finish.