

All programming shall be accomplished via a keyboard which is an integral part of the unit.
The time of day shall be accurately settable to one second.

835.04. CONSTRUCTION METHODS.

Mount the solid state time clock in a controller cabinet and wire it for operation.

835.05. METHOD OF MEASUREMENT.

The *solid state time clock* will be measured by the unit complete in place.

835.06. BASIS OF PAYMENT.

The accepted solid state time clock, measured as provided above, will be paid for at the contract unit price as follows:

SOLID STATE TIME CLOCK EACH

Such payment shall be full compensation for furnishing materials, labor, equipment, and incidentals necessary to complete the work as specified.

SECTION 836 REGULATORY OR WARNING SIGN WITH FLASHERS

836.01. DESCRIPTION.

This work shall consist of furnishing and installing either regulatory or warning sign assembly with flashing beacons in accordance with these Specifications in reasonably close conformity with the location and dimensions as shown on the Plans or established by the Engineer.

836.02. MATERIALS.

The regulatory or warning sign assembly shall consist of the sheet aluminum sign with the message as specified, the traffic signal heads, solid state flashing controller with time clock, sign post, foundation, wiring and conduit as shown on Std. Drawing RWFS-1 (Latest Revision).

- (a) **Sign.** The sign material and fabrication shall be in accordance with Section 850 of these Specifications.
- (b) **Solid State Flashing Controller.** The solid state flasher controller shall be a Type 1 or 11 as shown on the Plans and in accordance with Section 827 and Section 835 of these Specifications.
- (c) **Flasher Beacons.** The flasher beacons shall consist of traffic signal heads and lamps, of the size specified on the Plans, in accordance with Section 831 of these Specifications.
- (d) **Sign Post, Footing and Mounting Hardware.** The sign post and foundation shall be of the size, length and type specified on the Plans, in accordance with Section 831 of these Specifications. Mounting hardware shall be either galvanized, aluminum or stainless steel.
- (e) **Aluminum Base.** The cast aluminum base shall be FHWA approved.

836.04. CONSTRUCTION METHODS.

The regulatory or warning sign assembly shall be installed and connected to a power supply in accordance with the Plans.

836.05. METHODS OF MEASUREMENT.

The *regulatory or warning sign assembly* will be measured by the unit, complete in place, wired and connected to power as shown on the Plans.

836.06. BASIS OF PAYMENT.

The accepted regulatory or warning sign assembly, measured as provided above, will be paid for at the contract unit price for:

REGULATORY OR WARNING SIGN WITH FLASHER EACH

which shall be full compensation for furnishing all materials, equipment, labor and incidentals necessary to complete the work as specified.

**SECTION 850
SIGNS**

850.01. DESCRIPTION.

This work shall consist of furnishing and erecting, complete in place, signs in accordance with these Specifications and in reasonably close conformity with the Plans or established by the Engineer. Included are signs of sheet aluminum and extruded aluminum panels, all with a retroreflective or nonretroreflective sheeting background, and with steel or aluminum sign bracket arms, bolts, and fittings.

850.02. MATERIALS.

Materials shall meet the requirements of Section 719. All panel signs, blue signs, warning signs, and R1-1, R1-2, R5-1 and R5-1A signs shall have Type III high intensity retroreflective sheeting. All other permanent signs shall have Type II-A medium-high intensity retroreflective sheeting. Shop drawings shall be required and shall be approved by the Department prior to fabrication for all special signs.

850.04. CONSTRUCTION METHODS.

- (a) **Cleaning.** To insure proper bond of the sheeting adhesive, thoroughly clean sheet aluminum and extruded aluminum panel signs to remove grease, oil, and other contaminants prior to the application of retroreflective and nonretroreflective sheeting.
- (b) **Application of Retroreflective or Nonretroreflective Sheeting.** Apply sheeting to properly treated base panels with mechanical equipment in a manner as specified below. Class 2 adhesive coated sheeting shall be pre-perforated.