

10-3. __ HIGH MAST CAMERA INTERLOCK JUNCTION BOX

Interlock junction box (IJCB) shall be mounted inside the pole base and shall be accessible through the handhole. The IJCB shall be fabricated from 14 gauge steel sheet and hot-dipped galvanized after fabrication in accordance with the provisions in Section 75-1.05, "Galvanizing," of the Standard Specifications. All mounting nut and bolts shall be 1/4"-20 x 1" hex head stainless steel. Lockwashers shall be used with each bolt. The IJCB shall consist of a main circuit breaker, a flasher transfer relay and a box cable connector as shown on the plans. The flasher transfer relay shall conform to the provisions in Section 86-4.09C(6), "Dimming Relays" of the Standard Specifications.

The box cable connector shall be AMP 206036-1 receptacle with square flange housing type. The contact assignment as following:

- a. Contact 12 to relay coil contact 1
- b. Contact 13 to relay coil contact 2
- c. Contact 15 to equipment ground
- d. All other contacts not used.

The flasher transfer relay socket connector contact assignment as following:

- a. Contact 1 (relay coil) to box connector contact 12
- b. Contact 2 (relay coil) to box connector contact 13
- c. Contact 5 (Common, Circuit #1) to 115 V(ac) from Main Breaker
- d. Contact 7 (Normal Open, Circuit #1) to 115 V(ac) Winch Motor
- e. All other contacts not used.