

SECTION 770 – TRAFFIC SIGNAL MATERIALS

Make the following amendments to said Section:

(I) Amend **Subsection 770.02(A)(2) Housing** by replacing lines 218 through 289 to read as follows:

“(2) Housing. Signal head housing or case shall consist of an assembly of separate interchangeable sections. Interchangeable sections shall be expandable type for vertical mounting without tie rods, and shall be secured together in watertight manner to form unit. Individual optical units shall be housed in each section. The side of housing or door containing lens shall be square. Housing shall be of polycarbonate resin only. Aluminum housing is not acceptable for use on this project.

Polycarbonate housing shall be ultra-violet-stabilized virgin polycarbonate resin of dark green color, injection molded, complete with integral top, bottom, and sides; and shall have minimum thickness of 0.09 inch.

Each section shall be furnished complete with one-piece hinged door mounting for lens and other parts of optical system, watertight gaskets, and simple door-locking device. Optical system shall be mounted to allow for swinging various parts open for ready access or removal. Sections shall be interchangeable and designed to permit removing or adding of sections. Round opening shall be provided in top and bottom of each section face to receive 1-1/2 inch supporting pipe frame. All bolts, screws, hinge pins, and door-locking devices shall be made of stainless steel. Interior screws and fittings shall be made of stainless steel.

Gaskets, including door, lens and reflector gaskets, shall be of neoprene. Lampholder gaskets shall be heat-resistant.

Lampholders shall be wired to provide for connection of white wire to shell of lampholder and black or colored wire to bottom or end terminal of lampholder. These wires shall connect to terminal block mounted inside at back of housing. Each terminal block shall be furnished with sufficient screw-type terminals spaced to terminate all field conductors and lamp conductors independently. Terminals to which field conductors are attached shall be permanently identified or conductors shall be color-coded to aid field wiring.

Each lens shall be furnished with removable tunnel-type hood made of 0.030-inch-thick sheet aluminum or of polycarbonate with minimum thickness of 0.060 inch. Hoods shall be 11 inches minimum in length.”

(I) Amend **Subsection 770.02(C) Programmed Visibility Traffic Signal Heads** by replacing lines 333 through 427 to read as follows:

46 "Programmed visibility traffic signal heads are not acceptable for use on this
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END OF SECTION 770