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(I) Amend Subsection 623.02 Materials to add the following after line 131:

Video Detection System	770.12
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Light Emitting Diode (LED) Pedestrian Countdown Signal (PCS)	771"
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“(4) Controller and Cabinet. Mount controller cabinet. Assemble, wire, and house controller and auxiliary equipment specified in cabinet. Locations of controller and cabinet indicated in the contract documents are approximate. Set controller and cabinet at required locations as ordered by the Engineer.

(III) Amend Subsection 623.03(C)(8) Conductors and Cables from line 358 to line 374 to read as follows:

“Signal light conductors and cables shall not be cut. Waterproof, soldered tap splice shall be the sole method of splicing used. At a minimum, waterproofing shall consist of 2 layers of the following: electrical tape, rubberized tape, and Scotchkote™ or equivalent. Waterproof labeling of specific traffic signal phase shall be affixed at all exposed conductors. Termination in the controller cabinet on the post shall be by pressure connector.”

“(E) Electric Service. Provide electric power service of 120/240 volts, single-phase, three wires, 60 Hertz for the traffic control cabinet. Provide service connection, including combination meter-circuit breaker, conduits and wiring from local power company’s service point to controller.”

(V) Amend **Subsection 623.03(G) Other Services** from lines 493 to 555 to read as follows:

“(G) Other Services.

(1) Perform the following:

(a) Make soldered taps in pull boxes and cabinet locations pertaining to signal heads, pedestrian buttons, vehicle detectors, preemption detectors, and interconnect circuits.

(b) Install and program controller timings and conflict monitor cards.

(c) Before leaving factory, conduct, or have supplier conduct documented factory testing in accordance with CALTRANS requirements for each controller and cabinet. Dry-store controller assemblies. Perform second documented diagnostic testing procedure. If factory testing is satisfactory, cycle controller assembly through eight vehicle phases and four pedestrian phases for 120 continuous hours before field installation.

Test and document validation of controller, cabinet output and input, C1/C2/C20 operations, load switches, detector cards, dc cards, modems, flash condition, time source, preemption system, and conflict monitor. Have necessary testing hardware and software to perform accurate and dependable test and validation of output signal displays, controller and cabinet functions, and conflict monitor certification.

(d) Install controller assembly including anchor bolts, seals, grout, rerouted cables, extended power cables, ground wires, signal cables, and other adjustments to base, conduits, and cabinet for fully operational system.”

END OF SECTION 623