

1 **SECTION 623 – TRAFFIC SIGNAL SYSTEM**
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3 Make the following amendments to said section:
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5 **(I)** Amend **Subsection 623.03(C)(3) – Signal Heads** by adding the following
6 after line 234:
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8 “Remove existing traffic signal heads (including programmable-
9 visibility signal heads) mounted on traffic signal mast-arm over the travel
10 lanes on Nimitz Hwy and Ala Moana Blvd (Route 92) at Sand Island Access
11 Road, Puuhale Road, Mokauea Street, Kalihi Street, Waikamilo Road,
12 Fishing Village/Pier#36-38, Alakawa Street, Pacific Street, River Street,
13 Smith Street, Nuuanu Avenue, Bethel Street, Fort Street, Bishop Street, and
14 install new traffic signal heads equipped with LED optical units and louvered
15 back plates using new mast-arm mounting hardware.
16

17 Traffic signal heads mounted on signal poles in the roadway median
18 and sidewalks are excluded for this work.
19

20 The new LED optical units shall be installed with the same signal lens
21 arrangements (e.g., circular balls or arrows) as the existing traffic signal
22 heads.”
23

24 **(II)** Amend **Subsection 623.04 – Measurement** by adding the following after
25 line 580:
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27 “The Engineer will measure the traffic signal assemblies with LED
28 signal lights, and traffic signal back plate per each according to the
29 contract.
30

31 The Engineer will measure the microwave vehicle detector, and
32 loop detector sensing unit per each according to the contract.
33

34 The Engineer will measure the pedestrian push button with
35 Instructional sign on PPB pedestal per each according to the contract”
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37 **(III)** Amend **Subsection 623.05 – Payment** by adding the following after line
38 584:
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40 “The Engineer will pay for the accepted traffic signal assemblies with
41 LED signal lights and mast-arm mounting hardware at the contract unit price
42 per each complete in place. The price includes full compensation for
43 submitting the equipment list and drawing; assembling the signal heads;
44 wiring, bonding and grounding; painting the signal head mounting; testing;
45 providing turn-on service; submitting warranty; and furnishing equipment,
46 tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted traffic signal back plates at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the back plates; submitting warranty; and furnishing equipment, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the accepted microwave vehicle detector at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; assembling the microwave vehicle detector; wiring, bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipment, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the loop detector sensing unit at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; furnishing and installing the loop detector sensing unit; submitting warranty; and furnishing equipment, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will pay for the pedestrian push button with instructional sign on PPB pedestal at the contract unit price per each complete in place. The price includes full compensation for submitting the equipment list and drawing; constructing the PPB post and footing; installing pedestrian push button; wiring, bonding and grounding; testing; providing turn-on service; submitting warranty; and furnishing equipment, tools, labor, materials and other incidentals necessary to complete the work.

The Engineer will consider cost for additional materials and labors not specifically shown or called for that are necessary to complete the work incidental to the various contract items in the proposal."

(IV) Amend **Subsection 623.05 – Payment** by adding the following after line 591:

"Traffic Signal Assembly (One-Way, 12-inch, 1-3 Section Vertical with Mast-Arm Mounting) with LED Signal Lights	Each
Traffic Signal Assembly (Two-Way, 12-inch, 1-3 Section Vertical Programmable Visibility Head with Mast-Arm Mounting) with LED Signal Lights	Each
Traffic Signal Back Plates (Louvered, Black with Border)	Each
Approach-Only Microwave Vehicle Detector	Each

93 Loop Detector Sensing Unit (6 Ft. x 6 Ft.) _____ Loop(s) Each”
94
95
96
97
98

END OF SECTION 623