

1 Amend **Section 614 - Standard Street Survey Monuments** to read as follows:

2
3 **"SECTION 614 - STANDARD STREET SURVEY MONUMENTS**

4
5 **614.01 Description.** This section describes constructing, adjusting and
6 reconstructing standard street survey monuments.

7
8 **614.02 Materials.**

9
10 Concrete, Class A 601

11
12 Castings 713.09

13
14 Use brass pin for marking survey point. Burr or feather pin for anchorage
15 in concrete.

16
17 Use zinc-coated standard weight pipe conforming to ASTM A 53.

18
19 **614.03 Construction Requirements.**

20
21 **(A) Street Survey Monument.** Set street survey monument in required
22 location with frame and cover flush with finished grade of the road.

23
24 Apply these provisions for adjusting and reconstructing street survey
25 monuments. Clean the metal parts, salvaged for reuse of foreign matter
26 before reinstallation.

27
28 **(B) Reference Survey Data.** Provide the following reference survey
29 data to the Engineer for all new monuments by qualified personnel under the
30 direct supervision of a surveyor licensed in the State of Hawaii with
31 experience in construction surveying of the work:

32
33 **(1)** Stationing and offset

34
35 **(2)** Local trig station north-south coordinates.

36
37 The Engineer may check the Contractor's survey work. The Engineer
38 will inform the Contractor of the results of these checks. Such checks shall
39 not relieve the Contractor of its responsibility for the accuracy of the layout
40 work.

41
42 Furnish personnel, engineering equipment and supplies,
43 transportation, and material necessary to complete the survey work.
44
45
46

47 **614.04 Method of Measurement.**

48
49 **(A) New Standard Street Survey Monument.** New standard street
50 survey monuments will be paid on a lump sum basis. Measurement for
51 payment will not apply.
52

53 **(B) Reconstructing Standard Street Survey Monument.**
54 Reconstructing standard street survey monuments will be paid on a lump
55 sum basis. Measurement for payment will not apply.
56

57 **(C) Adjusting Standard Street Survey Monument.** The Engineer will
58 measure adjusting standard street survey monument per each.
59

60 **614.05 Basis of Payment.**

61
62 **(A) New Standard Street Survey Monument.** The Engineer will pay
63 for the accepted new standard street survey monument on a contract lump
64 sum basis. Payment will be full compensation for the work prescribed in
65 this section and the contract documents.
66

67 **(B) Reconstructing Standard Street Survey Monument.** The Engineer
68 will pay for the accepted reconstructing standard street survey monument on
69 a contract lump sum basis. Payment will be full compensation for the work
70 prescribed in this section and the contract documents.
71

72 **(C) Adjusting Standard Street Survey Monument.** The Engineer will
73 pay for the accepted adjusting standard street survey monument at the
74 contract unit price per each. Payment will be full compensation for the work
75 prescribed in this section and the contract documents
76

77 The Engineer will pay for the following pay item when included in the
78 proposal schedule:
79

Pay Item	Pay Unit
Standard Street Survey Monuments	Lump Sum
Reconstructing Standard Street Survey Monuments	Lump Sum
Adjusting Standard Street Survey Monuments	Each

87
88 The Engineer will pay for:
89

90 **(1)** 80 percent of the contract bid price upon completion of adjusting the
91 standard street survey monument;
92

93
94
95
96
97
98

(2) 20 percent of the contract bid price upon completion of providing reference survey data to the Engineer for all new monuments."

END OF SECTION