

1 Make the following Section a part of the Standard Specifications:

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3 **“SECTION 675 – MOVABLE TEMPORARY ROCKFALL BARRIER**

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5 **675.01 Description.** This section describes construction of a movable
6 temporary rockfall barrier.

7
8 **675.02 Materials.** Materials shall be provided as shown in the shop drawings.

9
10 **675.03 Construction Requirements.** The Contractor shall submit
11 calculations and shop drawings for a movable temporary rockfall barrier, both
12 shall be stamped by a licensed Hawaii structural engineer.

13
14 The barrier shall have a minimum 15.5 feet vertical clearance over the
15 roadway, minimum 120 feet long, and extend horizontally from the mauka
16 existing shoulder area to the edge of pavement of the existing Hanalei-bound
17 lane. The vertical portion and the wheels shall be located in the mauka existing
18 shoulder area.

19
20 The barrier shall be designed to protect the traffic on the roadway and the
21 public from rockfall, displaced material or debris generated by the construction
22 and ongoing slope scaling work.

23
24 The barrier may be fabricated by using a ring net, cable net system, or
25 other systems at the option of the Contractor's design engineer capable of
26 handling 74 foot-tons of impact energy.

27
28 The barrier shall be in-place whenever tree clearing and slope scaling
29 work is being done.

30
31 Upon receiving written directive by the Engineer, the Engineer reserves
32 the right to take possession of the movable temporary rockfall barrier. The
33 Contractor shall transport the movable temporary rockfall barrier to a specified
34 location by the Engineer at no cost to the Engineer.

35
36 **675.04 Measurement.** Movable temporary rock fall barrier will be paid on a
37 lump sum basis. Measurement for payment does not apply.

38
39 **675.05 Payment.** The Engineer will pay for the accepted moveable
40 temporary rockfall barrier on a contract lump sum basis. Payment will be full
41 compensation for the work prescribed in this section and the contract documents.

42
43

Pay Item	Pay Unit
Movable Temporary Rockfall Barrier	Lump Sum

47 The Engineer will not pay for placement, relocation, and final removal and
48 disposal of the movable temporary rockfall barrier separately and will consider
49 the cost for placement, relocation, and final removal and disposal of the movable
50 temporary rockfall barrier as included in the lump sum price for Movable
51 Temporary Rockfall Barrier.”
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END OF SECTION 675