

1 **SECTION 203 – EXCAVATION AND EMBANKMENT**

2
3 Make the following amendments to said Section:

4
5 **(I)** Amend **203.03(C)(2)(a) – Maximum Dry Unit Weight** from line 245 to line
6 255 to read as follows:

7
8 **“(a) Maximum Dry Unit Weight.** Test for maximum dry
9 unit weight according to AASHTO T 180, and apply the
10 correction for fraction larger than 3/4 inch. Use Hawaii
11 Test Method HDOT TM 5 for sample preparation of sensitive
12 soils when so designated by the Engineer.”

13
14 **(II)** Amend **203.04 – Measurement** by revising lines 345 to 366 to read as
15 follows:

16
17 **“203.04 Measurement.**

18
19 **(A)** The Engineer will measure roadway excavation per cubic yard.
20 The Engineer will compute quantities of roadway excavation by average
21 end area method and centerline distances. Curvature correction will not
22 be applied to quantities within roadway prism, as indicated in the contract
23 documents. In computing excavation quantities from outside the roadway
24 prism, where roadway centerline is used as a base, curvature correction
25 will be applied when centerline radius is 1,000 feet or less.

26
27 When roadway excavation quantities by average end area method
28 cannot be computed due to the nature of a particular operation or changed
29 conditions, the Engineer will determine and use computation method that
30 will produce an accurate quantity estimate.

31
32 **(B)** The Engineer will measure borrow excavated material per cubic
33 yard. The Engineer will compute quantities of borrow material
34 incorporated into the work on a volume basis, using average end area
35 method in place at work site.”

36
37 **(III)** Amend **203.05 – Payment** by revising lines 368 to 457 to read as follows:

38
39 **“203.05 Payment.** The Engineer will pay for the accepted pay items listed
40 below at the contract price per pay unit, as shown in the proposal schedule.
41 Payment will be full compensation for the work prescribed in this section and the
42 contract documents.

43
44 The Engineer will pay for each of the following pay items when included in
45 the proposal schedule:

47	Pay Item	Pay Unit
48		
49	(A) Roadway Excavation	Cubic Yard
50		
51	The Engineer will pay for:	
52		
53	(1) 15 percent of the contract bid price upon completion of	
54	obliterating old roadways and hauling.	
55		
56	(2) 30 percent of the contract bid price upon completion of	
57	preparing subgrade.	
58		
59	(3) 40 percent of the contract bid price upon completion of placing	
60	selected material in final position, rounding of slopes, and using water	
61	for compaction.	
62		
63	(4) 15 percent of the contract bid price upon completion of	
64	disposing of surplus excavation material.	
65		
66	(B) Borrow Excavated Material	Cubic Yard
67		
68	The Engineer will pay for:	
69		
70	(1) 10 percent of the contract bid price upon completion of staking	
71	out and cross sectioning existing condition at borrow excavated and in-	
72	place sites and establishing borrow area.	
73		
74	(2) 5 percent of the contract bid price upon completion of providing,	
75	replacing, and maintaining temporary and permanent fencing, and	
76	confining livestock.	
77		
78	(3) 15 percent of the contract bid price upon completion of all	
79	necessary storing and processing of borrow material.	
80		
81	(4) 15 percent of the contract bid price upon completion of watering	
82	and hauling material to work site.	
83		
84	(5) 20 percent of the contract bid price upon completion of placing,	
85	grading, and compacting material in accordance with contract	
86	requirements at work site.	
87		
88	(6) 15 percent of the contract bid price upon completion of restoring	
89	and regrading borrow area.	
90		

91 (7) 10 percent of the contract bid price upon completion of staking
92 out and cross sectioning final condition at borrow excavated and in-
93 place sites.

94
95 (8) 10 percent of the contract bid price upon completion of
96 removing and disposing of excess and unsuitable material from work
97 site.

98
99 The Engineer will pay for accepted quantities of subexcavation, as
100 roadway excavation at the contract unit price per cubic yard, when ordered by
101 the Engineer, for work prescribed in Subsection 203.03(A)(4) – Subexcavation.
102 Payment will be full compensation for the work prescribed therein and in the
103 contract documents.

104
105 The Engineer will pay for accepted quantities of unlined gutter excavation
106 as roadway excavation at the contract unit price per cubic yard, when gutter is
107 located as follows: within median area of a divided highway; and between
108 roadbed shoulder and adjacent cut slope. Payment will be full compensation for
109 removing and disposing of excavated material; backfilling and compacting; and
110 for the work prescribed in the contract documents.

111
112 The Engineer will not pay for stockpiling selected material, placing
113 selected material in final position, or placing selected material in windrows along
114 tops of roadway slopes for erosion control work, separately and will consider the
115 cost as included in the unit prices for the various excavation contract pay items.
116 The cost is for work prescribed in this section and the contract documents.

117
118 The Engineer will not pay for overhaul separately and will consider the
119 cost as included in the unit prices for the various excavation contract pay items.
120 The cost is for work prescribed in this section and the contract documents.

121
122 The Engineer will not pay for embankment separately and will consider the
123 cost as included in the unit price for roadway excavation. The cost is for work
124 prescribed in this section and the contract documents.”

125
126
127
128 **END OF SECTION 203**