

1                                   **SECTION 203 – EXCAVATION AND EMBANKMENT**

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3    Make the following amendments to said Section:

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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:

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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	<b>Pay Item</b>	<b>Pay Unit</b>
48		
49	<b>(A) Roadway Excavation</b>	<b>Cubic Yard</b>
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>(B) Borrow Excavated Material</b>	<b>Cubic Yard</b>
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		

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

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

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

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

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

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

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

## **END OF SECTION 203**