

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:

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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.”

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

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17 **“203.04 Measurement.**

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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.

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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.

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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 **(C)** The Engineer will measure imported borrow per cubic yard or per
38 ton in accordance with the contract documents. The Engineer will
39 compute quantities of imported borrow incorporated into the work on a
40 volume basis, using average end area method in place at work site.

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42 **(D)** The Engineer will measure selected material for planting soil and
43 selected material for decorative boulder per cubic yard. The Engineer will
44 compute quantities of selected material for planting soil and selected
45 material for decorative boulder incorporated into the work on a volume
46 basis, using average end area method in place at work site.”

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

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

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

Pay Item	Pay Unit
(A) Roadway Excavation	Cubic Yard

The Engineer will pay for:

(1) 15 percent of the contract bid price upon completion of obliterating old roadways and hauling.

(2) 30 percent of the contract bid price upon completion of preparing subgrade.

(3) 40 percent of the contract bid price upon completion of placing selected material in final position, rounding of slopes, and using water for compaction.

(4) 15 percent of the contract bid price upon completion of disposing of surplus excavation material.

(B) Borrow Excavated Material	Cubic Yard
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The Engineer will pay for:

(1) 10 percent of the contract bid price upon completion of staking out and cross sectioning existing condition at borrow excavated and in-place sites and establishing borrow area.

(2) 5 percent of the contract bid price upon completion of providing, replacing, and maintaining temporary and permanent fencing, and confining livestock.

(3) 15 percent of the contract bid price upon completion of all necessary storing and processing of borrow material.

(4) 15 percent of the contract bid price upon completion of watering and hauling material to work site.

(5) 20 percent of the contract bid price upon completion of placing, grading, and compacting material in accordance with contract requirements at work site.

(6) 15 percent of the contract bid price upon completion of restoring and regrading borrow area.

(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.

(C)	Imported Borrow	Cubic Yard, Ton
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(D)	Selected Material for Planting Soil	Cubic Yard

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.

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

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END OF SECTION 203