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LIGHTWEIGHT AGGREGATE FOR EMBANKMENT

**Description**

This work shall consist of furnishing and placing lightweight aggregate fill for embankment construction in accordance with 105.03.

**Materials**

Materials shall be in accordance with the following:

The aggregate source shall submit independent laboratory test results for the quality parameters listed. The test report shall be dated not later than 18 months from the time it is submitted. Independent laboratory test results will not be required if the aggregate is supplied by a certified aggregate producer on the Department's approved Certified Aggregate Producer List.

The lightweight aggregate shall satisfy the requirements as follows:

1. Dry Rodded Unit Weight (Mass), Max... 58 pcf (929 kg/m<sup>3</sup>)
2. Gradation, AASHTO M 195..... 1/2 in. to No. 4  
(12.7 mm to 4.75 mm)
3. Finer than No. 200, Max..... 8.0% by wet analysis
4. Wear, Max..... 50%
5. Soundness, Max..... 12% loss
6. Friable Particles, Max..... 10.0%
7. Deleterious Particles, Max..... 1.0%

The source of lightweight aggregate is subject to approval of the Engineer. Aggregate that is without suitable documentation of testing by an independent testing laboratory and is not approved or is not supplied by a certified aggregate producer, will not be accepted.

Recycled materials will not be allowed in an environmentally-sensitive area.

**Construction Requirements**

After placement, this material shall be lightly compacted. Density tests will not be required after placement.

**Method of Measurement**

Lightweight aggregate for embankment will be measured in accordance with 203.27(d).

**Basis of Payment**

Lightweight aggregate for embankment will be paid at the contract unit price per ton (megagram).

Payment will be made under:

<b>Pay Item</b>	<b>Pay Unit Symbol</b>
Lightweight Aggregate for Embankment.....	TON (Mg)

The costs of material, transportation, placement, and all incidentals shall be included in the cost of the pay item.

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## EXPLANATION

1. Provision title is centered and is Courier New font, 10-pt. pitch, all capitals.
2. There are no referenced *Standard Specifications* sections and line numbers.
3. Provision subheadings are Courier New font, 10-pt. pitch, boldface.
4. Specification text is Courier New font, 10-pt. pitch.
5. There are no deletions or insertions.

## **EXAMPLE SPECIAL PROVISION WHICH DOES NOT DIRECTLY REVISE THE *STANDARD SPECIFICATIONS***

**Figure 19-3C**