

### Section 306. AGGREGATE SURFACE COURSE

**306.01. Description.** This work consists of constructing aggregate surface course on a prepared subgrade or existing aggregate surface.

**306.02. Materials.** Provide materials in accordance with the following:

Dense-Graded Aggregate 21A, 21AA, 22A, 23A .....	<u>902</u>
Salvaged Aggregate .....	<u>902</u>

Provide Aggregate 21A, 21AA, or 22A if the plans show aggregate surface course later receiving a paved surface. Provide Aggregate 23A if the plans show construction of aggregate surface without a paved surface. Provide Dense-Graded Aggregate 21A, 21AA, 22A, 23A, or salvaged aggregate for temporary maintenance gravel.

#### **306.03. Construction.**

A. **Preparation of Base.** When required, blade, or scarify and blade, existing aggregate surfaces to remove irregularities in the grade.

B. **Placing and Compacting.** Provide a ticket with each load, stating the following information:

1. Project number,
2. Aggregate source,
3. Aggregate series,
4. Date,
5. Time,
6. Truck identifier number,
7. Supplier name, and
8. Type of aggregate approval.

If the contract requires payment by weight, ensure the ticket includes gross weight, tare weight, and net weight to the nearest 100 pounds. Determine the truck tare weight at least twice daily.

If the contract does not require payment by weight, the Engineer may accept written documentation in lieu of tickets. Written documentation must identify the pay item of the material and include all information listed above except time and truck identifier number.

Provide a uniform aggregate mixture, compacted in place to a uniform density full depth. Provide a complete surface course to the line, grade, or cross section shown on the plans.

Place maintenance gravel to provide a flush transition between shoulders, driveways and other areas for maintenance of traffic. If

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approved by the Engineer, the Contractor may leave maintenance gravel in place as part of the work.

Do not place aggregate on unstable base, as determined by the Engineer. Maintain the aggregate in a smooth, stable condition and provide dust control until removed or surfaced.

Compact the aggregate layers to a uniform thickness, no greater than 6 inches. If placing HMA surface over the aggregate surface course, compact each aggregate layer to at least 98 percent of the maximum unit weight at a moisture content no greater than optimum. For other aggregate surface course applications, compact each layer of aggregate to at least 95 percent of the maximum unit weight, at a moisture content no greater than optimum.

Shape the finished surface and layers to within  $\pm\frac{1}{2}$  inch of the crown and grade shown on the plans.

If placing aggregate base in a layer no greater than 3 inches, compact using pneumatic-tired rollers or vibratory compactors to at least 95 percent of the maximum unit weight at a moisture content no greater than optimum.

C. **Use of Additives.** The Contractor may use additives to facilitate compaction and for dust control.

#### 306.04. Measurement and Payment.

Pay Item	Pay Unit
Aggregate Surface Cse, __ inch .....	Square Yard
Aggregate Surface Cse .....	Cubic Yard, Ton
Maintenance Gravel, LM .....	Cubic Yard
Maintenance Gravel .....	Ton

A. **Aggregate Surface Course.** The Engineer will measure **Aggregate Surface Cse, \_\_ inch** by the width and length shown on the plans.

The Engineer will determine the moisture content and pay weights as specified in section 109.

If the contract requires weight measurement, the Engineer will measure **Aggregate Surface Cse** by the scale weight, including additives, at a moisture content no greater than 6 percent.

The Engineer will perform moisture tests at the start of weighing operations and when construction operations, weather conditions, or other causes may change the moisture content of the material. If tests indicate a moisture content greater than 6 percent, the Engineer will deduct the weight of the excess moisture from the scale weight of the

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aggregate until moisture tests indicate the moisture content is no greater than 6 percent.

The unit price for **Aggregate Surface Cse, \_\_ inch** and **Aggregate Surface Cse**, includes the cost of additives and water.

**B. Maintenance Gravel.** The Engineer will measure **Maintenance Gravel, LM** based on hauling unit dimensions and load count, before placement and compaction. The unit price for **Maintenance Gravel, LM** includes the cost of constructing, maintaining, and removing the aggregate surface.

The Engineer will measure **Maintenance Gravel** in tons by the scale weight of the material. The Engineer will perform moisture tests at the start of weighing operations and if construction operations, weather conditions, or other causes may change the moisture content of the material. If tests indicate a moisture content greater than 6 percent, the Engineer will deduct the weight of the excess moisture from the scale weight of the maintenance gravel until moisture tests indicate the moisture content is no greater than 6 percent.