

**TABLE 1005-1  
AGGREGATE GRADATION - COARSE AGGREGATE**

**Percentage of Total by Weight Passing**

<b>Std. Size #</b>	<b>2"</b>	<b>1 1/2"</b>	<b>1"</b>	<b>3/4"</b>	<b>1/2"</b>	<b>3/8"</b>	<b>#4</b>	<b>#8</b>	<b>#10</b>	<b>#16</b>	<b>#40</b>	<b>#200</b>	<b>Remarks</b>
4	100	90-100	20-55	0-15	-	0-5	-	-	-	-	-	A	Asphalt Plant Mix
467M	100	95-100	-	35-70	-	0-30	0-5	-	-	-	-	A	Asphalt Plant Mix
5	-	100	90-100	20-55	0-10	0-5	-	-	-	-	-	A	AST, Sediment Control Stone
57	-	100	95-100	-	25-60	-	0-10	0-5	-	-	-	A	AST, Str. Conc., Shoulder Drain, Sediment Control Stone
57M	-	100	95-100	-	25-45	-	0-10	0-5	-	-	-	A	AST, Concrete Pavement
6M	-	-	100	90-100	20-55	0-20	0-8	-	-	-	-	A	AST
67	-	-	100	90-100	-	20-55	0-10	0-5	-	-	-	A	AST, Str. Concrete, Asphalt Plant Mix
78M	-	-	-	100	98-100	75-100	20-45	0-15	-	-	-	A	AST, Str. Conc., Weep Hole Drains, , Asphalt Plant Mix
14M	-	-	-	-	100	98-100	35-70	5-20	-	0-8	-	A	Asphalt Plant Mix, AST, Weep Hole Drains, Str Concrete
9M	-	-	-	-	100	98-100	85-100	10-40	-	0-10	-	A	AST
ABC	-	100	75-97	-	55-80	-	35-55	-	25-45	-	14-30	4-12 <sup>B</sup>	Aggregate Base Course, Aggregate Stabilization
ABC(M)	-	100	75-100	-	45-79	-	20-40	-	0-25	-	-	0-12 <sup>B</sup>	Maintenance Stabilization
Light-weight <sup>B</sup>	-	-	-	-	100	80-100	5-40	0-20	-	0-10	-	0-2.5	AST

**A.** See Subarticle 1005-4(A). **B.** See Subarticle 1005-4(B). **C.** For Lightweight Aggregate used in Structural Concrete, see Subarticle 1014-2E(6)

- (A) When aggregates are used for Portland cement concrete, asphalt treatment and asphalt plant mix, the requirements pertaining to material passing the No. 200 sieve are as follows:
- (1) When tested in a stockpile at the quarry site, the amount of material passing the No. 200 sieve shall be no greater than 1.0%.
  - (2) When tested at the job site before use, the amount of material passing the No. 200 sieve shall:
    - (a) Be no greater than 1.5% for aggregate used in Portland cement concrete or asphalt surface treatment.
    - (b) Be no greater than 2.0% for aggregate used in asphalt plant mix.
  - (3) If a stockpile at the job site is found to contain in excess of the specified amount of material passing the No. 200 sieve before use, the Engineer may approve its use provided:
    - (a) For aggregate used in Portland cement concrete, the total percentage by weight passing the No. 200 sieve in the combined coarse and fine aggregate in the mix does not exceed 3.5%, and provided no increase in water-cement ratio is required by the use of this aggregate.
    - (b) For aggregate used in asphalt plant mix, the total percentage by weight of minus No. 200 material in the plant mix being produced, as determined by the extraction test, can be maintained within the limits allowed by the job mix formula.
- (B) For ABC and ABC(M), in addition to the gradation requirements, the material passing the No. 40 sieve shall not have a LL in excess of 30 nor a PI in excess of 4. For ABC used in asphalt plant mix, when tested during production, in a stockpile at the quarry site or at the job site before use, the amount of material passing the No. 200 sieve shall be from 0.0% to 12.0% by weight and the gradation requirements for material passing the No. 10 sieve (soil mortar) required in Section 1010 for ABC will not apply. For ABC not used in asphalt plant mix, the gradation requirements for material passing the No. 10 sieve (soil mortar) will be as required in Section 1010.