

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

Percentage of Total by Weight Passing													
Std. Size #	2"	1 1/2"	1"	3/4"	1/2"	3/8"	#4	#8	#10	#16	#40	#200	Remarks
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 ^B	Aggregate Base Course, Aggregate Stabilization
ABC(M)	-	100	75-100	-	45-79	-	20-40	-	0-25	-	-	0-12 ^B	Maintenance Stabilization
Light-weight ^B	-	-	-	-	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)

Section 1005

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

TABLE 1005-2									
AGGREGATE GRADATION FINE AGGREGATE									
Std. Size #	Percentage of Total by Weight Passing								Remarks
	3/8"	#4	#8	#16	#30	#50	#100	#200	
1S	100	90-100		40-85		0-20		0-3	Blotting Sand, Asphalt Retreatment
2S	100	95-100	80-100	45-95	25-75	5-30	0-10	0-3	Concrete, Shotcrete, Grout, Subsurface Drainage, Blotting Sand
2MS		95-100	80-100	45-95	25-75	5-35	0-20	0-8 ^A	Concrete, Shotcrete, Grout, Subsurface Drainage
4S		100	95-100			15-45	0-10	0-5	Mortar

- 30 A. When tested at the job site before use, the amount of material passing the
 31 No. 200 sieve shall not be greater than 10%.