

CITY OF ALBANY

Standard Specifications Technical Provisions

Section 8

Aggregate Base

8-1 General — Aggregate base shall consist of a crushed material aggregate conforming to Section 26 of the State Standard Specifications for Class 2, Aggregate Base, and as specified herein.

8-2 Material

8-2.1 Quality — Aggregate furnished for the base shall be free from vegetable matter and other deleterious substances, and shall be of such nature that it can be compacted readily under watering and rolling to form a firm stable base. Aggregate may be delivered with water added.

The Coarse Aggregate (material retained on the No. 4 sieve) shall consist of material of which at least 25 percent, by weight, shall be crushed particles as determined by Test Method No. Calif. 205.

8-2.2 Gradation — The percentage composition by weight of aggregate base shall conform to the following grading when determined by Test Method No. Calif. 202, modified by Test Method No. Calif. 905 where there is a difference in specific gravity of 0.2 or more between the coarse and fine portion of the aggregate or between blends of different aggregates. (From Section 26-1.02B of the State Specification for Class 2 Aggregate Base.)

Sieve Size	1½" Maximum Percentage Passing Sieve	¾" Maximum Percentage Passing Sieve
2"	100	
1½"	90-100	
1"	—	100
¾"	50-85	90-100
#4	25-45	35-55
#30	10-25	10-30
#200	2-9	2-9

8-3 Tests — The aggregate base shall conform to the following tests:

	Test Method No. Calif.	Requirements
Resistance (R-Value)	301	78 Minimum
Sand Equivalent	217	30 Minimum

8-4 Placing — Aggregates for base shall be delivered to the roadbed as uniform mixtures and shall be spread in layers or winrows. Segregation of aggregates shall be avoided and material as spread shall be free from pockets of large or fine material. Segregated materials shall be remixed until uniform.

Where the required thickness is 0.5 foot or less, the aggregate base may be spread and compacted in one layer. Where the required thickness is more than 0.5 foot, the subbase or base aggregate shall be spread and compacted in two or more layers of approximately equal thickness. The maximum compacted thickness of any one layer shall not exceed 0.5 foot. Each layer shall be spread and compacted in a similar manner.

At locations where the aggregate base is to be placed over areas inaccessible to the spreading equipment, the aggregate subbase or base may be spread and compacted by any means to obtain the specified results.

8-5 Compacting and Tolerance — The relative compaction of each layer of compacted aggregate subbase or base shall not be less than 95 percent as determined by Calif. Test Method No. 216 06 231. The finished surface of the aggregate base shall not vary more than 0.05 foot from the specified grade and cross section. Variations within the above specified tolerances shall be compensating so that the average grade and cross sections specified are met.

8-6 Measurement — Measurement shall be by the cubic yard based on the theoretical volume obtained from the planned cross section on the contract plans. Volume shall be based on actual field measurement of the horizontal surface of subbase material placed.

8-7 Payment — The contract limit price per cubic yard shall include all materials, tools, equipment, labor, compacting, water, preparation of recycled material, and incidentals necessary to perform and complete the work, and no additional payment shall be made therefor.