

CITY OF ALBANY
Standard Specifications
Technical Provisions

Section 7

Aggregate Subbase

7-1 General — Aggregate subbase shall be mineral aggregate conforming to Section 25 of the State Standard Specifications for Class 2 Aggregate Subbase and as specified herein.

7-2 Materials — Mineral aggregate for the aggregate subbase, at the time it is deposited, shall conform to the following requirements:

7-2.1 Quality — Aggregate for aggregate subbase shall be clean and free from vegetable matter and other deleterious substances and shall be of such quality that it will bind readily to form a firm, stable subbase.

7-2.2 Gradation — The percentage composition by weight of aggregate subbase shall conform to the following grading when determined by Test Method No. California 202. (From Section 25-1.02A of the State Standards for Class 2 moving average.)

<u>Sieve Size</u>	<u>Percentage Passing Sieves</u>
3"	100
2½"	90-100
#4	40-90
#200	0-25
#200	0-25

7-2.3 Recycled Aggregate Subbase — Existing uncontaminated asphalt concrete and aggregate base to be removed, may be recycled as aggregate subbase.

The existing asphalt concrete and aggregate base shall be broken up to size conforming to Section 3-2.2, "Gradation," of these Specifications as hereinafter modified. Recycled materials shall be mixed to a uniform gradation prior to spreading and compaction.

7-3 Compacting & Tolerance — Where the required thickness is 0.5 foot or

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

The relative compaction of each layer of compacted aggregate subbase shall not be less than 95 percent as determined by Test Method No. Calif. 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.

7-4 Tests — The aggregate subbase shall conform to the following tests:

	Test Method No. Calif.	Requirements
Resistance (R-Value)	301	50 Minimum
Sand Equivalent	217	20 Minimum

The R-Value requirements may be waived provided that the aggregate subbase conforms to the specified grading and has a sand equivalent value of 25 or more.

7-5 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.

7-6 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.