

Section 4123. Modified Subbase Material

4123.01 DESCRIPTION.

- Crushed stone,
- Gravels for which 75% or more of the particles retained on the 3/8 inch (9.5 mm) sieve have at least one fractured face as defined in [Materials I.M. 305](#),
- Recycled pavements meeting [Materials I.M. 210](#), or
- Uniformly blended combinations of these materials with a maximum of 50% RAP.

4123.02 GRADATION.

- A. Meet the requirements for [Gradation No. 14](#) of the [Aggregate Gradation Table](#), Article 4109.02.
- B. Process RAP to pass the 2 inch (50 mm) sieve.
- C. Uncrushed gravel and/or sand may be uniformly blended with crushed recycled pavement or crushed stone at a maximum rate of 50% to meet gradation requirements.

4123.03 QUALITY.

- A. The requirements of Table 4123.03-1 apply to blended and non-blended virgin materials:

Table 4123.03-1: Aggregate Quality (Blended and Non-blended Virgin Materials)

Aggregate Quality	Maximum Percent Allowed	Test Method
Abrasion ^(a)	45	AASHTO T 96
C Freeze	15	Office of Materials Test Method No. Iowa 211, Method C
Alumina ^(b) (No. 40 (425 µm) material)	4.7	Office of Materials Test Method No. Iowa 222
(a) Virgin material with Al ₂ O ₃ not exceeding 0.7 (+4) or A-freeze not exceeding 10 may have an abrasion maximum of 55.		
(b) For gravel or gravel/non-gravel blend, have a plasticity index not exceeding 7 for each source.		

- B. Acquire gravel or gravel/non-gravel blend products from a gravel source with a plasticity index not exceeding 7.