

Section 4121. Granular Subbase Material

4121.01 DESCRIPTION.

Aggregate of the following types:

- Crushed stone,
- Gravels of which 30% 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](#),
- Crushed PCC pavement meeting the requirements of [Materials I.M. 210](#), or
- Uniformly blended combinations of these materials.

4121.02 GRADATION.

A. Crushed material: meet the requirements for Gradation No. 12a of the Aggregate Gradation Table, [Article 4109.02](#).

B. Gravel: meet the requirements for Gradation No. 12b of the Aggregate Gradation Table, [Article 4109.02](#).

4121.03 QUALITY.

The requirements of Table 4121.03-1 apply to the individual virgin aggregates before combining:

Table 4121.03-1: Coarse Aggregate Quality (Virgin Material)

Coarse Aggregate Quality	Maximum Percent Allowed	Test Method
Abrasion	50	AASHTO T 96
Alumina ^(a)	1.5	Office of Materials Test Method No. Iowa 222
A Freeze	25	Office of Materials Test Method No. Iowa 211, Method A
(a) If the Alumina value fails, determine the A Freeze value for specification compliance. Office of Materials Test Method No. Iowa 222 does not apply to gravel.		