

## **SECTION 917 MINERAL FILLER**

### **917-1 Composition.**

Mineral filler shall consist, in general, of limerock dust, portland cement, slag dust, hydrated lime, or any other inert mineral matter from sources approved by, the Engineer. The mineral filler shall be thoroughly dry and free from lumps consisting of aggregations of fine particles. Ground phosphate will not be allowed as a mineral filler.

Stone or slag screenings may also be used as filler material for asphaltic concrete mixtures, under the provisions specified in 917-3, below.

### **917-2 Gradation.**

The mineral filler shall meet the following gradation requirements:

|                                                |               |
|------------------------------------------------|---------------|
| Total passing No. 30 [600 $\mu$ m] sieve ..... | 100%          |
| Total passing No. 80 [180 $\mu$ m] sieve ..... | 95% (minimum) |
| Total passing No. 200 [75 $\mu$ m] sieve ..... | 65% (minimum) |

### **917-3 Provision for Use of Coarser Filler Material.**

Process screenings from stone or slag, having a coarser gradation than as specified above, may also be used as filler material provided the particular product, and the source thereof, are approved by the Engineer and that the material meets the following requirements.

(a) All of the material shall pass the No. 10 [2 mm] sieve, and not more than 35% shall pass the No. 200 [75  $\mu$ m] sieve.

(b) The material passing the No. 200 [75  $\mu$ m] sieve shall be free from organic impurities, and not more than 4.0% of such shall consist of clay minerals. The plasticity index of the material passing the No. 200 [75  $\mu$ m] sieve shall not exceed 4.

(c) For the stone or slag material from which the screenings are produced the loss, when subjected to the Los Angeles Abrasion Test, shall not exceed 45%.