

901 DELETERIOUS SUBSTANCES.
(REV 8-30-06) (FA 1-9-07) (7-07)

SUBARTICLE 901-1.2 (Pages 756 and 757) is deleted and the following substituted:

901-1.2 Deleterious Substances: All coarse aggregates shall be reasonably free of clay lumps, soft and friable particles, salt, alkali, organic matter, adherent coatings, and other substances not defined which may possess undesirable characteristics. The weight of deleterious substances shall not exceed the following percentages:

Coal and lignite (AASHTO T 113).....	1.00
Soft and friable particles (AASHTO T 112).....	2.00*
Clay lumps (AASHTO T 112).....	2.00*
Cinders and clinkers.....	0.50
Free shell.....	1.00**
Total Material passing the No. 200 sieve (FM 1-T 011)	
At Non-Granitic Source	1.75
At Granitic Source	2.50
At Point of Use.....	3.75
Organic Matter (wet)	0.03
Chert (less than 2.40 specific gravity SSD)	
(AASHTO T-113).....	3.00***

*The maximum percent by weight of soft and friable particles and clay lumps together shall not exceed 3.00.

**Aggregates to be used in asphalt concrete may contain up to 5% free shell. Free shell is defined as that portion of the coarse aggregate retained on the No. 4 sieve consisting of loose, whole, or broken shell, or the external skeletal remains of other marine life, having a ratio of the maximum length of the particle to the shell wall thickness exceeding five to one. Coral, molds, or casts of other shells, and crushed clam and oyster shell indigenous to the formation will not be considered as free shell.

***This limitation applies only to coarse aggregates in which chert appears as an impurity. It is not applicable to aggregates which are predominantly chert.