

# EXPECTED IMPLEMENTATION JULY 2009

## 901 COARSE AGGREGATE. (REV 11-3-08) (FA 1-16-09) (7-09)

SUBARTICLE 901-1.2 (of the Supplemental Specifications) 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*
Plant root matter (visual inspection in AASHTO T 27) ...	0.005****
Wood and wood matter (visual inspection in AASHTO T 27) .....	0.005****
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
Fine-Grained Organic Matter (AASHTO 194).....	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.

\*\*\*\*Plant root matter, and wood and wood matter shall be considered deleterious when any piece exceeds two inches in length or 1/2 inch in width.

SUBARTICLE 901-2.2 (of the Supplemental Specifications) is deleted and the following substituted:

**901-2.2 Granites:** Coarse aggregate produced from the crushing of granites shall be sound and durable. For granites to be used in bituminous mixtures and surface treatments, the Los Angeles Abrasion requirement of 901-1.3 is modified to permit a maximum loss up to 50% (FM 1-T 096). Maximum amount of mica schist permitted is 5% (FM 5-584).