OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISIONS
FOR
LIME

These Special Provisions revise, amend, and where in conflict, supersede applicable sections of the 1999 Standard Specifications for Highway Construction, English and Metric. Units of measurement are provided in the subsections in both English and Metric equivalents. The units for this project shall be those specified in the project plans.

(Replace with the following:)

SECTION 706
LIME

706.01. HYDRATED LIME.

(a) **General.** Hydrated lime shall meet the requirements of AASHTO M216, except as modified by these specifications.

(b) **Chemical Composition.** Available lime index (as is basis) expressed as $Ca(OH)_2$ – not less then 90 percent.

(c) **Fineness.** Fineness shall conform to the following requirements.

SIEVE SIZE	PERCENT PASSING
No. 30 (600 µm)	97-100
No. 200 (75 µm)	75-100

706.02. QUICK LIME.

(a) **General.** Quick lime shall meet the requirements of AASHTO M216, except as modified by these specifications.

(b) **Chemical Composition.** Available lime index (as is basis) expressed as CaO – not less then 90 percent.

PROPERTY	LIMITS
Slaking Temperature Rise, °C, minimum	30
Total active Slaking time, minutes, maximum	20

(c) **Fineness.** Fineness shall conform to the following requirements.

SIEVE SIZE	PERCENT PASSING
1 inch (25.0 mm)	100

706.03. BY-PRODUCT LIME.

The use of by-product lime is not permitted.

706.04. AGRICULTURAL LIMESTONE.

Agricultural limestone shall be a high calcic or dolomitic limestone with a minimum acid neutralizing capacity of 80 percent of calcium carbonate equivalent (C.C.E.). The neutralization value and sieve analysis shall be in accordance with ASTM C 602. The material shall be free from harmful quantities of toxic salts and other objectionable matter.

The fineness shall conform to the following requirements.

SIEVE SIZE	PERCENT PASSING
No. 4 (4.75 mm)	100
No. 8 (2.36 mm)	90-100
No. 60 (250 μm)	30-100