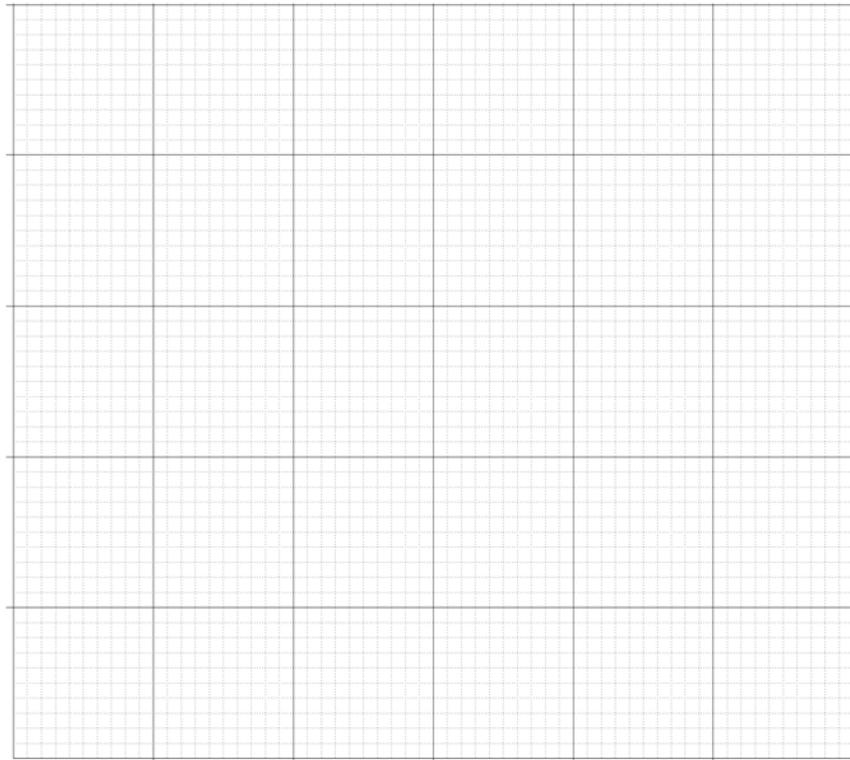# WORKSHEET FOR DETERMINING MOISTURE/DENSITY RELATIONSHIPS
AASHTO T 99 AND AASHTO T 180

Project: Source:

Where sampled: Quantity represented:

Sample of: Lot No.   Sample No.

Sampled by: Date: Tested by: Date:

USC   Metric   AASHTO T 99   AASHTO T 180   Method   A   B   C   D

Density Determination

Test No.					
(a) Wet soil + mold tare lbs (kg)					
(b) Mold tare lbs (kg)					
(c) Wet mass [a - b] lbs (kg)					
(d) Wet density [k * c]^1 lb/ft^3(kg/m^3)					
Dry density [d/(1+0.01*w)] lb/ft^3(kg/m^3)					

^{1} For USC system calculations with molds within tolerance, k = 30 for methods A and C or 13.33 for methods B and D. For metric system calculations with molds within tolerance, k= 1060 for methods A and C or 471 for methods B and D.

Moisture Determination

Pan No.					
(r) Wet soil mass + tare g					
(s) Dry soil mass + tare g					
(t) Tare g					
(u) Dry soil mass [s - t] g					
(v) Water mass [r - s] g					
(w) Moisture [v / u * 100] %					

Dry Density, lbs/ft^3 (kg/m^3)

Maximum Dry Density:

_____ lb/ft^3 (kg/m^3)

Optimum Moisture:

_____ %

Form FHWA 1625 (Rev 02-07 draft)