SAND CONE CORRECTION FACTOR

North Dakota Department of Transportation, Materials and Research Division

SFN59724 (03-2011)

Project Number	PCN	Date	Tested By

Trial	1	2	3
A Wt. of jar, cone, and sand (before) lbs.			
B Wt. of jar, cone, and sand (after) lbs.			

Trial	C^1	C^2	C^3
C Wt. of sand in cone and ring (A - B)			

Cone Correction Factor (Cc) = $\frac{(C^1 + C^2 + C^3)}{3}$

Cc =

Note: all weights shall be recorded to the nearest .001 lbs. Three weights should not vary by more than 0.01 lbs.

SAND BULK DENSITY DETERMINATION

Trial	1	2	3
D Wt. of jar, cone, and sand (before) lbs.			
E Wt. of jar, cone, and sand (after) lbs.			
F Wt. of sand in cone, ring, and density apparatus (D - E)			
G Wt. of sand in density apparatus (F - Cc)			

Trial	D^1	D^2	D^3
Bulk Density = (G ÷ Density apparatus volume)			

Bulk Density Sand (Db) = $\frac{(D^1 + D^2 + D^3)}{3}$

Db =