MAXIMUM DENSITY WORKSHEET

North Dakota Department of Transportation, Construction

SFN 50289 (Rev. 03-2003)

Project Number	Contractor	Date	Time

Test Number	Lot Number	Daily Tons	Total Tons

Station	Lane	Lift

FIELD PLUGS

PLUG NO.	WEIGHT IN AIR (A)	WEIGHT IN WATER (B)	WEIGHT SAT. SURF (C)	VOLUME C-B = D (D)	BULK SP. GR. A/D = E

AVERAGE BULK SP. GR. (F) = _____

DENSITY (F x 62.4) PCF _____

MAXIMUM MIX DENSITY

FLASK NUMBER			
G. SAMPLE CONTAINER & SOLUTION:			
H. CONTAINER & SOLUTION:			
I. SAMPLE IN SOLUTION (G-H)			
J. SAMPLE IN AIR			
K. VOLUME OF VOIDLESS MIX (J-I)			
L. MEAS. MAX. SPEC GRAVITY (J/K)			
M. MAX. THEOR. DENSITY (62.4 X L)			

PERCENT AIR VOIDS

% AIR VOIDS = $\frac{L-F}{L}$ X 100 = (_____ - _____) 100 = _____ % AIR VOIDS

_____

AGGREGATE BLEND PROPORTIONS

AC CONTENT: _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

_____ _____ _____ _____

NOTES

_____

Inspectors Signature