LOUISIANA DEPARTMENT OF TRANSPORTATION AND DEVELOPMENT

DOTD 03-22-4197
English
4/98

LABORATORY MOISTURE - DENSITY RELATIONSHIP
DOTD TR 418 - Mehtod G
(English)

PROJECT NO: _____ DATE: _____ LAB NO: _____

TYPE ADDITIVE: _____ TYPE SOIL: _____ SAMPLE NO: _____

TESTED BY: _____ CHECKED BY: _____

SIEVE	*		Wt. Retained, lb	+ 1" Replacement $B_n/\{1 - (A/C)\}$	Prorated Wt. Ret., lb (F)	% Retained (F/E) x 100 (G)	Adjusted Wt. lb (G x 18) ÷ 100	Accumulated Wt. lb
1"	A							
3/4"	B_1			⟶				
1/2"	B_2			⟶				
No. 4	B_3			⟶				
Subtotal	C	$A+B_1+B_2+B_3$	⟶					
- No. 4	D		⟶					18.00
Total	E	C + D	⟶			100	K = 18.00	

CURVE POINT NO.	***		1	2	3	4	5	6
WATER ADDED, mL	H	See Calculations						
WT. MOLD, BASE (if appl.) & WET MATL., lb	I							
WT. MOLD & BASE (if applicable), lb	J							
WT. WET COMPACTED MATERIAL, lb	K	I - J						
WT. OF PAN & DRY MATERIAL, lb	L							
WT. OF PAN, lb	M							
WT. OF DRY MATERIAL, lb	DW	L - M						
WT. OF WATER, lb	WW	K - DW						
WET DENSITY, lb/ft^3	WWD	K / 0.075						
MOISTURE CONTENT, %	MC	(WW/DW) x 100						
DRY DENSITY, lb/ft^3	DWD	$\frac{WWD}{100 + MC} \times 100$						

REMARKS: _____