

Soil-Cement Mix Design Worksheet  
DOTD TR 432 Methods B & C

DOTD 03-22-0757  
12/21

Project No.: \_\_\_\_\_ Composite No(s): \_\_\_\_\_ Sample No.: \_\_\_\_\_ Lab No.: \_\_\_\_\_

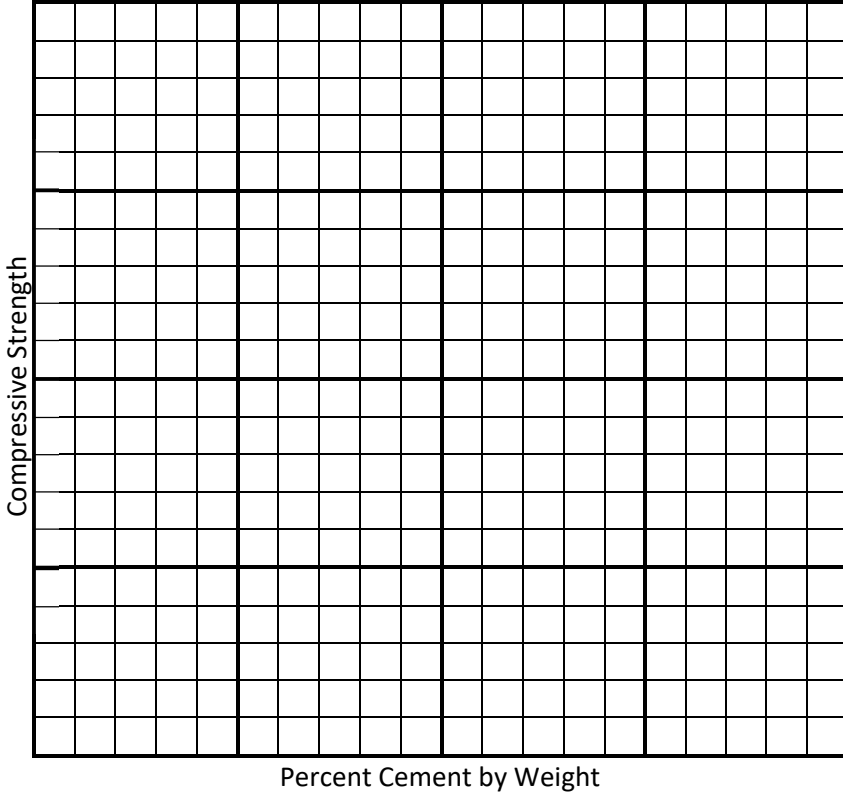
Type Soil: \_\_\_\_\_ Date Molded: \_\_\_\_\_ Tested by: \_\_\_\_\_ Checked by: \_\_\_\_\_

Break Date: \_\_\_\_\_ Min. Cem. Factor \_\_\_ % By Wt. \_\_\_ % By Vol. Opt. Moist., % \_\_\_\_\_ Max.DWD \_\_\_\_\_

Compression Test Data

(Cement Stabilized or Treated Material)

Cylinder Number	%Cem't by Wt.	Break Code	Dial Reading	Failure Load (Z) (kN or Lb)	Compressive Strength (P) (MPa or PSI)	Average Compressive Strength (Q) (MPa or PSI)

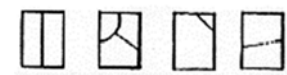


Remarks \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Type of Break:

1=Regular

2= Irregular



<b>Optimum Moisture and Design Moisture</b>	
Soil Group (TR 423) A- _____	Classification (TR 423) _____
Optimum Moisture Content of Material (DB) = ____ %	Design Moisture Content (DM = DB+V)= ____ %
Max. Dry Weight Density of Material (DC) = _____ (DOTD TR 415 ____ DOTD TR 418 ____)	For A-4 and A-6 Soils, V=1.0% For all other soils, V = 0.5%

<b>Method B</b>										
% Cement (by wt.)	Dry Weight of Material (g)	Cement (g)	Material + Cement (g)	Evap (mL)	Slake Water (mL)	Slake Time	Net Water (mL)	Net Water Time	Molding Time	
H	I	J	K	L	M		N			
	2300				$K \times \frac{DM - 5}{100}$		$L + 0.05K$			
				24			146			
					25			150		
					26			155		
					26			158		

<b>Method C</b>										
% Cement (by wt.)	Dry Weight of Material (g)	Cement (g)	Material + Cement (g)	Evap (mL)	Slake Water (mL)	Slake Time	Net Water (mL)	Net Water Time	Molding Time	
H	I	J	K	L	M		N			
	6300				$K \times \frac{DM - 5}{100}$		$L + 0.05K$			
				67			401			
					69			412		
					71			424		
					72			434		