

CYCLIC TRIAXIAL TEST (Specimen Data)						1. DATE (YYYYMMDD)			
For use of this form, see EM 1110-2-1906; the proponent agency is CECW-EG.									
2. PROJECT						3. BORING NUMBER			
4. SAMPLE NUMBER		5. DEPTH (Elevation)		6. TEST NUMBER		7. METHOD OF SPECIMEN PREPARATION			
SECTION I - INITIAL CONDITION OF SPECIMEN									
1. MEMBRANE THICKNESS, INCHES		T	a. TOP	b. CENTER	c. BOTTOM	d. AVERAGE			
2. DIAMETER, INCHES		D _o	a. TOP	b. CENTER	c. BOTTOM	d. AVERAGE			
3. HEIGHT, INCHES		H _o	a. NORTH	b. EAST	c. SOUTH	d. WEST	e. AVERAGE		
4. AREA, SQUARE INCHES = 0.7854 D ²		A _o			5. DRY DENSITY, lb./cu. ft. = (W _s / V _o) x 62.4		y _{do}		
6. VOLUME, cc = 16.39 A _o H _o		V _o			7. RELATIVE DENSITY, %		D _{do}		
8. INITIAL WEIGHT SOIL, g		W _s			9. SPECIFIC GRAVITY		G _s		
SECTION II - CONDITION OF SPECIMEN AFTER SATURATION AND CONSOLIDATION									
1. AFTER SATURATION				2. AFTER CONSOLIDATION					
a. CHANGE IN HEIGHT, INCHES		ΔH _{sat}			a. CHANGE IN HEIGHT, INCHES		ΔH _c		
b. HEIGHT, INCHES = H _o - ΔH _{sat}		H _{sat}			b. HEIGHT, INCHES = H _{sat} - ΔH _c		H _c		
c. AREA, SQUARE INCHES		A _{sat}			c. CHANGE IN VOLUME, cc		ΔV		
d. VOLUME, CC, = 16.39A _{sat} H _{sat}		V _{sat}			d. VOLUME, cc = V _{sat} - ΔV		V _c		
e. EQUATIONS				e. AREA, SQUARE INCHES = 0.061 V _c / H _c					
$D_{avg} = \frac{D_{top} + D_{center} + D_{bottom}}{3} \quad 2T$ $A_{sat} = \frac{A_o}{H_o} (H_o - 2\Delta H_{sat})$ $e_c = \frac{G_s y_w}{y_{dc}} - 1$				f. VOID RATIO		e _c			
				g. DRY DENSITY, lb./cu. ft. = (W _s / V _c) x 62.4		y _{dc}			
				h. RELATIVE DENSITY, %		D _{dc}			
				3. NOTES					
SECTION III - AFTER TEST RESULTS									
1. CONSOLIDATION PRESSURE, $\bar{\sigma}_{3c}$, psi				7. CONSOLIDATION STRESS RATIO, $K_c = \bar{\sigma}_{1c} / \bar{\sigma}_{3c}$					
2. TARE NUMBER				8. PERCENT	(1)	(2)	(3)	(4)	(5)
3. TARE AND DRY SOIL					N	P _c , lb.	P _E , lb	+ σ _{dc} = $\frac{P_c P_E}{2A_c}$, psi + $\frac{\sigma_{dc}}{2\bar{\sigma}_{3c}}$	
4. TARE WEIGHT									
5. WEIGHT AND DRY SOIL, g		W _s			a. ε _{da} = 5				
6. NOTES				b. ε _{da} = 10					
				c. ε _{da} =					
				d. Δu / σ _{2c} = 25					
				e. Δu / σ _{3c} = 50					
				f. Δu / σ _{3c} = 75					
				g. Δu / σ _{2c} = 100					
				9. REMARKS					