0830

BORING LOG
FIELD DATA

Project COLORADO RIVER Location 16+10 ON WEST JETTY Date 4 OCTOBER 1976
Drill Rig _____ Inspector LANGFORD Operator BLACK Surface elev 2.8 MLT 0845
Levee District _____ Job No. _____ Boring No. 76-182

SAMPLE NUMBER	DATE TAKEN	STRATUM FROM	STRATUM TO	DRIVE FROM	DRIVE TO	SAMPLE FROM	SAMPLE TO	TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
		0.0	10.0								WATER DEPTH 0845
1		10.0		10.0	10.5	10.0	12.0	DRIVE SAMPLER	JAR		GRAY, BROWN VERY FINE, FINE
				10.5	11.0						SAND WITH SHELL. 8 BLOWS
				11.0	11.5						10 BLOWS
				11.5	12.0						
				12.0	16.0						WASHED AWAY
2				16.0	16.5	16.0	18.0		JAR		
				16.5	17.0						5 BLOWS
			17.0	17.0	17.5						2 BLOWS
		17.0		17.5	18.0						GRAY CLAY WITH SHELL,
											VERY SOFT
				18.0	20.0			SHELBY TUBE			WASHED AWAY
				20.0	22.5						NO RECOVERY
				22.5	25.0						WASHED AWAY
			28.0	25.0	27.5						NO RECOVERY
3		28.0		27.5	28.5	27.5	28.5		TUBE	0.0	BROWN VERY FINE SAND WITH
			30.8								CLAY.

WES FORM NO. 819 REV NOV 1971 PREVIOUS EDITION IS OBSOLETE

BORING LOG
FIELD DATA

Project COLORADO RIVER Location _____ Date _____

Drill Rig _____ Inspector _____ Operator _____ Surface elev _____

Levee District _____ Job No. _____ Boring No. 76-182

SAMPLE NUMBER	DATE TAKEN	STRATUM FROM	STRATUM TO	DRIVE FROM	DRIVE TO	SAMPLE FROM	SAMPLE TO	TYPE OF SAMPLER	CONTAINER	POCKET PENETROMETER VALUE	CLASSIFICATION AND REMARKS
4		30.8	—	28.5	31.0	30.0	31.0	UNC	TUBE	1.25	GREEN CLAY WITH CALCAREOUS
											MATERIAL AND SAND POCKETS,
											STIFF.
5				31.0	33.0	32.0	33.0		TUBE	2.75	VERY STIFF
				33.0	35.0						WASHED AWAY
6			37.5	35.0	37.5	36.5	37.5		TUBE	2.50	
											TOTAL DEPTH 37.5'
											1015 HOURS

WES FORM NO. 819 REV NOV 1971 PREVIOUS EDITION IS OBSOLETE

Sheet 2 of 2 Sheets

1564

UNCONFINED COMPRESSION TEST

DATE: 1-6-77

PROJECT: Mouth of Colorado River | EXCAVATION NUMBER: 76-182 | SAMPLE NUMBER: C-4 (30-31)

PROVING RING DIAL NUMBER | PROVING RING NUMBER | CALIBRATION CURVE NUMBER

PROVING RING CONSTANT, K_r | VERTICAL DIAL NUMBER: xxxxxxxxxxxxxxx Cyl #3 | RATE OF LOAD APPLICATION: 0.040

FORMULAS

$$\text{Area} = \frac{\pi D^2}{4} = \frac{C^2 D}{4} \qquad \text{Corrected Area, } A = \frac{A_o \text{ (sq. ft.)}}{1 - E} \qquad \text{Unit Strain, } E = \frac{\Delta L}{L_o} \qquad \text{Unit Stress} = \frac{P \text{ (lb.)}}{A \text{ (sq. ft.)}}$$

INITIAL MEASUREMENTS ON SAMPLE

	DIAMETER, D (in.)	CIRCUMFERENCE, C (in.)	AREA (sq. in.)
TOP			
CENTER			
BOTTOM			

AVERAGE AREA, A_o: SQ. IN. | SQ. FT.

HEIGHT, L_o (in.)

ELAPSED TIME (min.)	PROVING RING DIAL READING (0.0001 in.)	LOAD, P (lb.) (Ring Dial x K_r, or from calibration curve)	VERTICAL DIAL READING (in.)	VERTICAL DIAL DIFFERENCE, ΔL (in.)	UNIT STRAIN, E (in./in.)	CORRECTED AREA, A (sq. ft.)	UNIT STRESS (lb./sq. ft.)
	7		025				
	14		050		1.25	3.03	193
	19		075				
	23		100		2.50	3.06	314
	27		125				
	30		150		3.75	3.11	403
	34		175				
	38		200		5.00	3.15	504
	41		225				
	43		250		6.25	3.19	563
	46		275				
	49		300		7.50	3.23	634
	52		325				
	54		350		8.75	3.28	688
	56		375				
	58	1	400		10.00	3.32	730
	60		425				
	62		450		11.25	3.37	768
	63		475				
	65		500		12.50	3.42	794
	65		525				
	66 ✓		550 ✓		13.75	3.47 ✓	794

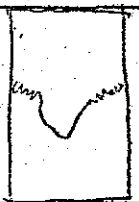
WATER CONTENT (%)

W. W. in Cyl #3: 465 — 27%

UNCONFINED COMPRESSIVE STRENGTH, q_u (lb./sq. ft.)

REMARKS AND CALCULATIONS (Use reverse side, if more space is needed)

Pan - 0.75
Color 5YR4
Dish - 466
W. W. - 370
D. W. - 291



TECHNICIAN (Signature): P. Watts | COMPUTED BY (Signature) | CHECKED BY (Signature)

DD FORM 1 AUG 57 1213

GPO 931154

UNCONFINED COMPRESSION TEST

DATE		
PROJECT	EXCAVATION NUMBER	SAMPLE NUMBER
PROVING RING DIAL NUMBER	PROVING RING NUMBER	CALIBRATION CURVE NUMBER
PROVING RING CONSTANT, K_r	VERTICAL DIAL NUMBER	RATE OF LOAD APPLICATION

FORMULAS

$$\text{Area} = \frac{\pi D^2}{4} = \frac{C^2 D}{4} \qquad \text{Corrected Area, } A = \frac{A_o \text{ (sq. ft.)}}{1 - E} \qquad \text{Unit Strain, } E = \frac{\Delta L}{L_o} \qquad \text{Unit Stress} = \frac{P \text{ (lb.)}}{A \text{ (sq. ft.)}}$$

INITIAL MEASUREMENTS ON SAMPLE				AVERAGE AREA, A_o	
	DIAMETER, D (in.)	CIRCUMFERENCE, C (in.)	AREA (sq. in.)	SQ. IN.	SQ. FT.
TOP					
CENTER				HEIGHT, L_o (in.)	
BOTTOM					

ELAPSED TIME (min.)	PROVING RING DIAL READING (0.0001 in.)	LOAD, P (lb.) (Ring Dial x K_r, or from calibration curve)	VERTICAL DIAL READING (in.)	VERTICAL DIAL DIFFERENCE, ΔL (in.)	UNIT STRAIN, E (in./in.)	CORRECTED AREA, A (sq. ft.)	UNIT STRESS (lb./sq. ft.)
	66		575				
	66		600		15.00	3.52	783
	66		625		15.63	3.54	779
			650				
			675				
			700				
			725				
			750				
			775				
			800				

WATER CONTENT (%)

UNCONFINED COMPRESSIVE STRENGTH, q_u (lb./sq. ft.)

REMARKS AND CALCULATIONS (Use reverse side, if more space is needed)

TECHNICIAN (Signature)	COMPUTED BY (Signature)	CHECKED BY (Signature)

DD FORM 1 AUG 57 1213

GPO 931154