KINGDOM OF THAILAND

APPENDIX TO THE REPORT

ON

SOIL EXPLORATION AT THE SITE OF

BANGKOK - THONBURI BRIDGE

1969

OVERSEAS TECHNICAL COOPERATION AGENCY

GOVERNMENT OF JAPAN



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	国際協力事業団 ^{受入} 87.6.15 122 ^{企隸} 08646 KE	÷
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			1	Ţ	· ·		`	Ι	Γ		· T	γ	Τ		7
	COHESION	4 4 4	C (kg/@)												
7.7 <u>秦</u>	MODULUS OF DEFORMATION	4 6 6 6	た (kg/Gi')	``	00,	£ 1, 7		27.6							
PRESSIOMETER TEST - ター側定結果 塩麦	LIMIT PRESSURE	等 限 元 5	F. (8/8°)	20 S	7, 8,	*	-								
RESULTS OF PRESSIOMETER ブレンオメーター側定結果	CREEP PRESSURE	路 事 正 口	(個/图)	3,	400	1361	24 62 1	, J. P.							
BLE (0)	EARTH PRESSURE AT REST	10 周 田 17	Fo (Ig/ca')	56)	861	300	5 5 Ct	00 /			:	,			
	DESCRIPTION OF SOIL	T T T	SLIFF day	Stift ding	1.90 77.75	coorse said	coarse sand	hard chan		- "			7	*	
TION	SITE 16	題		18.50	22.20	26.50	37.50	3000		•					
2	S		w e			<u></u> .			-			· · · · · · · · · · · · · · · · · · ·		•	

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	&T	TABLE /02 RES	RESULTS OF PRESSIOMETER		TEST W. 42	,
LOCATION、調条名 SITE · 地点No.				1		
DESCRIPTION OF SOIL		EARTH PRESSURE AT REST	CREEP PRESSURE	LIMIT PRESSURE	MODULUS OF DEFORMATION	COHESION
は、は		初期压力	以 平压力	被 服 压 力	改 形 祭 敬	14 4
		Po (kg/cm²)	P, (kg/cm²)	P, (kg/cm²)	E (kg/cm²)	C : kg/cm²;
Soft chan		0,000	6 10 3	¥**	(2)	
Soft day			•			
soft chy		\$	061	5 5	*	•
Santa volus		, 50	0 90	1 0 1	155	,
course sand		05 /	5 60	5 6	12.	
]	50,	25	55//	10' .	
medium sand		, , , , , , , , , , , , , , , , , , ,	ζ,		7) 7)	
medited Sand		50		(2.5)	i i	
pard Sad		08 /	550	08 %	\$.	
med um Sand		\$ 0° '	E 43. 20.	<u> </u>	15.4	
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-					,	-
					•	,

COHESTON C (kg/cm²) 枯ず力 MODULUS OF DEFORMATION 炙 形 係 数 E (kg/cm²) TEST ター測定結果一覧表 LIMIT PRESSURE 儀 既 压力 RESULTS OF PRESSIOMETER P, (kg/cm²) CREEP PRESSURE 果果托力 P, (kg/cm²) EARTH PRESSURE AT REST 初期,压力 Po (kg/cm²) TABLE 103 第 表 CHANSE SANA DESCRIPTION TEST DEPTH OF SOIL stiff clay stiff day 芦 · 地点No. 5 LOCATION 調查名 單紀孫克 1530 10.50 0000 3700 21.00 (m) SITE

LOCATION: ##	75 55	プレシオノーター	測定結果一覧表	<u>X</u>	
· 地点No. 7		·			
DESCRIPTION OF SOIL	EARTH PRESSURE	CREEP PRESSURE	LIMIT PRESSURE	MODULUS OF DEFORMATION	COHESTON
1. 独一种	有每年七	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	三 二 卷 差	4. 化	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	Po. (kg/cm²)	P, (kg/cm²)	P, (kg/cm ⁷)	F : kg/cm²)	C KR/CH"
Soft Alos	70.0	11			
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<u>.</u>		• '		**************************************			 	122			- 1							
Sample	*	· · ·	30-1	20-2	32 - Jan		Sr-s.	P59-6	· ·		Ss · /	St - 2	Sr - 3	Ss-4				
U:Undia D: Dist	sterbed Sample surbed Sample	 	7	AV	200	V	V	V			U	ι	ν	V				
Sample	Depth	(=)	~ 410	2/3/	9.70	1081	~1265	2850 2.39.0			5.0% 70	700	900	1100				
Natural	Water Content Wo	(X.)	127	60.0	13.4	11.8	ઝઝ. ∕	74.5			775	716	683	770			•	L
Specific	Gravity of Soil Particles Ga		7.609	2.599	2.171	7.612	2.676	7.679			7 171	7.689		2.615				
Wet Der	naity 7,	(t/m²)	. 187	1672	1.601	1.736	1.974	7.603			1327	1.617		1.566				
Dry Des	sity 74	(1/m²)	ציבות ז	1.003	1076	1.183	144	1193			1776	0 900	0 9345			7777		
Natural	Void Ratio		نوح.'ر	103	150	1.71	183	1/3			1.30	186	1.80	194			· · · · · · · · · · · · · · · · · · ·	
Degree	of Saturation S	(%)	100	106	730	100	100	100			100	160	97.1	100				
Liquid 1	Limit L.L.	. (%)		ak	16.55	5/	. 59	36			177	60	19	7/				Γ
Plastic	Limit P.L	(%)		21	77	73	19	12			27	23	27	حے بو				Γ
Plantici	ty Index P.I		r6	می حر	11	78	10	31/			ر <u>ء</u> سري	70	47	ار د				
	Gravel	(%)	-	.^	_	6	6	6				v	0	0				1
	Sand	(%)	,	2 بر	7	11	2	ح در				4	9	4			<u></u>	1
Grain	Silt	(X)	01	s 11	41	حرد	18	01			41	16	47	<i>y</i> ≠				1
Size	Clay	(%)		14	70	24	رور	2			17	16	18	20				T
Analysis	Colloid	(%)		24	- ۱ 	77	<i>いフ</i>	نور			المزد	<i>70</i> 4	76	42				1
	Percentage No. 200 Sieve	(%)		٠. ١ ٠٠	76	21	98	63			PS	96	91	96			<u> </u>	+
<u></u> .	Classification		cii	<i>CL</i>	CH		CH	0,4			01	<u> </u>	CH	CH				+
Jacon -	Unconfined Compression Strength of Undisturbed Samp	da (kg/cm²)	crist	1767	1.777	1 126	F 67 d	F100			: 411	. 100	0319	0312		<u> </u>	 	+
ined ompres-	Unconfined Compression Strength of Remolded Sample	(lg/cm²)				01470		01514				0400		00/2				+
ion est	Sensitivity Ratio	·			377	10 14	1402	7.25	<u> </u>							 		+
riesial	Angle of Internal Friction in d	egree			364		14"	(, 3)	1								 	+
ompres-	Cohesion	(kg/cm²)																+
est	Drainage Condition													•	 ;			+
onsoli-	Pre-Load	(bg/cs²)			011	177	جور ج	09 ي					196					+
tion est	Compression Index	(Ce)			1007	1973	c 730							1.00			<u></u>	+
<u>,</u>		()			7 507	() / 3	6 730	0219			-		0830	1896				

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Sample 1	Va. But of the transfer of the	117-1	107.3	J. 38		6.5.5	1.7.6	677	11 / 3	<u> </u>	11-16				 		
U:Undist	urbed Sample irbed Sample	T. U.S.				:	·							<u> </u>		 	
Sample I		750	-950		1160	1250	13.50	-700 75	.905		130			<u> </u>	<u> </u>		
Natural	Water Content We 15	T	102	177.2	47.3	مرجريو	34.1	مهيم، باس	N1 4	. 1/12				ļ	<u> </u>		
l	Gravity of Soil Particles G	303%	7/57	Virtill.	1635	2115	2692	2/103	2.07		1753			ļ			
Wes Den	1.4-1	1523	7	116		1111	1906	1.05	1721	201	دو تتو تو ر			ļ	<u> </u>		
Dry Den	sity 7s (1/m²	T	0957	C.738	1942	1917	1414	حي د در بر	1272	1111	1516			<u> </u>	<u> </u>	<u></u>	
Natural	Void\Ratio	أورج	172	1.19	. PE.	630	090	197	0.50	111	الريم م		<u> </u>	<u> </u>			ļ
EDegree o	of Saturation S (X	100	: 990.	106	100	100	100	100	160	11/1.3	100			<u> </u>	<u> </u>	 	ļ
Liquid I	imit L'L. (X	87.	70	7.5	ارنو	60	115	مہتی	7.0	10	21	<u> </u>	ļ	<u> </u>	<u> </u>		
^e Plastic	Limit P.L. (%	26	25"	2011	26	20	25	36		. ; .	17				ļ		
Plastici	ıy İndex P.I.	61.	45.	7. 13 to	55.	40	40	11	ور	مي نز	24				<u> </u>	ļ <u></u>	
	Gravel (X	.0	6	. 6	0				6				ļ	ļ			
	Sand (%	· /:	5.	4	2	ر	11.		-25	دے	11		ļ	<u> </u>		<u> </u>	ļ
Grain Size	Silt (%	26	/	وربو	:-7	26	٧2	30	e35	cil	16	ł			<u> </u>		<u> </u>
1	Clay (%	بوح ا	26	19	2-2	15	17		ئ	15	7	· 	ļ	 	<u> </u>		
Analysis	Colloid (X	15	مح در	27	19	16	.42	3	22	< ₹ 3'	29		 	<u> </u>	ļ		<u> </u>
	Percentage No. 200 Sieve	14	45	16.	18	71	96	11	35	70	1		\	<u> </u>	<u> </u>	ļ	
	Classification	CH	CH	crl	CH_	CH	CH	CH	cL	SH	CL						
Uncon -	Unconfined Compression Strength of Undisturbed Sample (kg/cm)	0.04	0.060	ינינד ין	حيريو د.	0551	1 A2A -6701	1567	1236	1361	1136						
fined Compres-	Unconfined Compression Strength of Remolded Sample	Ţ		:		-500	1275	1502	1 -	د دوجی	6201				<u> </u>		
sion Test	Sensitivity Ratio					158	100	1	154	157	3/6						<u> </u>
riaxial	Angle of Internal Friction in degree				·				<u> </u>						<u> </u>		ļ
Compression Test	Cohesion (kg/ca)			,												
Test.	Drainage Condition		, , , , , , , , , , , , , , , , , , ,	1								ļ 	<u> </u>	<u> </u>	<u> </u>		<u> </u>
Consoli* dation	Pre-Load (by/car) .		113	cia	195	166			٠, ١٧	090				<u> </u>	<u> </u>	<u> </u>
Test	Compression Index (Compression Index) " ;		c860	1500	4,90	0168			1166	1217		<u> </u>				
			*					soudify									
	Remarks			-													
				<u></u>	<u> </u>		<u> </u>	<u> </u>	<u> </u>	······································			· 	PAG	Ē	······································	

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	TABLE	107								;	,	•
	3 4	7.00	2.60				N			•	,	
Control of the contro	Lateral Pressure	Trainer of the second	chength of	ectional speciol u ecimen	Foliand CIN Reddinary San San San San San San	merine of apecinen	fer tay cm	n 3 1 m/s 2 3 nx	etër conte	ioid ratio e	Toball coarre A/	19 ¹ 2 Cute.
	0.5	3.40		9.51	212	138.4	1.665	1.030	61.4	1574		£.
		3.49	0.73	9.71	72.56	138.4	1.658	1.184	590	1.239	1056	2
			810	0.16	69.67	123.55	1.801	1.270	. ×2.0	1.085	14.85	2,
3	2.0	3.46	070	7.40	62,50	737.2	1662	1.030	61.5	1547		/
			6.10	8.16	82.30	117.05	1.1876	1.362	37.7	0.943	20.15	2
. ,	30	3.40	B. 73	9.51	95.02	1377	1.659	1.052	57.5	1.520	 	/
	د. ده مستنده د د همی ماست د د د د د د د د د د د د د د د د د د د	ع درگانی است. مراکب	7.06	7. 66. B	58.22	112.9	1.939	1.500	29.2	0767	24 80	2
	7.0	4.52 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	8.70	9.72	84.56	140.5	1.660	1.008	64.8	1.630		! .
ا، الل			T. 67	7.87	60.11	116.35	1.928	1.480	64.8	0.840	24.15]=

,	د این که ویزی و به به محسوم نیمو شمو به محسوم کام. ۱۳ - ۱۳ - ۱۳ - ۱۳ - ۱۳ - ۱۳ - ۱۳ - ۱۳ -	den es un un membre d A		· · · · · · · · · · · · · · · · · · ·		المستنادية						
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	prossure	1 de - 15 5				in the second of	tunt. Co	1	5 7,-		Hertre in in it.	
	10. 63 1. C. C. C.			, , , , , , , , , , , , , , , , , , , ,		, io / v.2	7 0,	<u>, , , , 2 </u>	σ 't		-	
	0.5		7.2			- ' _				3		
Marie Company		The second of the second of		, ,		0.37		o. 6 & Z	2. /	<u> </u>	U. 12	
(*Z	10	0.0	40	17.70	2:-	0.72		1220	0. 2.	e	1.76	6
		THE ENTER SECTION AND A SECTION AND A SECTION AND A SECTION ASSESSMENT.	in the same of		· .							
	7.0	医	79	. y. J		127		2,529	0.7	<i>₹</i>	0.70	7
14:	30				الله من الله الله الله الله الله الله الله الل	2 /		~~~			_	
<u>ત્ર ના છે.</u> પ્રાથમિક	and the second of the second of	The same of	The same of the sa			196		3 <i>ও ক</i> ও	. 1.0	×	ઈ. દુમ જ	<u> </u>
٠٠٠. 	10	Z 6	65	3.5		7. 2.05		3.015		5	1.07	0
18-45 A. (5.17)	型模型。4 20 mm 2	The straight straight		*****	نه تبلخ تن پیچینید							
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				and the second			3 ~ <u> </u>	7	1	a 1		

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c	stadinen Joseph	light circula	Section: 1 aces of speci en	a dec palent a dec palent Action		Tet Tetreity nt	lay wents to	Gottent content, re-v	oid crtic	oluse onarge AV	، دی
	. 3,50	0 7.2	9.62	0399	142.2	1.695	1.078	67.5	1 3 2 10		,
20		9.29	867	. 11.40	129.74	1816	1.265	43.5	1.054	12.46	į
	3.51	1.73	267	84 42	141.0	1.670	1.054	57.9	1.455		1
2 , 10	was a magnification of	4.04	y. 13	64.22	120 9	1881	1.390	35. Z	0.869	20.20	2
	150	0.13	1.62	34.18	142.2	. 607	1.000	56.0	1.40%		/
30	en interpretation	003	8.02	63.28	1213	1917	1 % 5 9	چى بوجى	1 0905	20.70	2
	952	917	170	8533	1/2.5	1670	1.000	54.9	×2%	-	1
20		0.02	40%	6333	120.5	1.700	1452	31.0	0709	22.00	
1.0	+ 11	w. 760	700	00 75	145.4	4.676	1. 120	49.6	1320		/
		7.79	# 11	03.45	1221	1924	1530	25.6	0692	23.30	2
		i watah kai	. 7.1		-	, Titer cons	Sada, ,,,	· · · · · - · · ·			

wateral	jux. devictor trans	e de la companya de l		office the second of the secon	LUCLIVE E	
10	2751	. 00	0.75	,001	0.25	1.000
20	7.62	11.0	, 36	2 × 6 2	0.64	0.771
30.	3480	10.5	. 90	500	1.02	0.800
4.0	3.125	16.5	262	4.505	, 30	0939
5.0	4.580	11.5	4. 15	6430	, 95	2.688

					*	4 2	•
c:	11	جي:ر-	*	٠	20.20	~ 1000	2 .
J** -	х	7.0			7. 20	~.,/4.0,	٠,

			,	- ,		,						
Section 1	TABLE	109	Surmary s	C <u>Pinilā</u> .	उ <mark>ठ द एक्षाः ।</mark>	1 - et Conec	lids ted Und	rainer)		٠	•	
	S * -	3 9.20	~ 1400		f .			•			·	
Zest	lateral presiure (Ki/cm)		Length of specimen;	Sectional, area of apecimen	Volume of specimen V on	.elght of specimen	iet density re s/cm	ney aensity	dater content ac a	Void ratio e	Volume charge A V	emarks
		. 3.50	8.74	9.62	84.08	147.2	1.751	1. 157	51.6	1.310	,	0
	1.0		0.38	<i>0.03</i>	73.66	136.78	1. 857	1. 320	40.9	1.022	10.42	હ
1	_	3.46	8.74	9.40	82.16	144.5	1739	1.152	52.5	1.319		0
2	2.0		9.21	B. 27.	67.28	129.62	1.927	1.410	36. 9	0.895	14.88	a
		૩. ૩ /	8.73	9.67	94.42	146.2	1.732	1.127	53.9	1.372		Ø
3	* 3. 0 •		9.15	9.37	67.42	1292	1.916	1.410	36.0	0.896	17.00	હે
		. ક. <i>ડ</i> /	874	9.67	84.52	146.2	1.729	1.132	52.6	1.360		٤
*	4.0		9.0.5	8.14	64.32	126.0	1. 959	1.490	ی بر ق	0.793	20 20	2
	•		1	-					,			
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^{. . . 1)} before consolication

lest No	a seral pressure (Y5/cc) v	#A. deviator stress s, - ding/cm	"kial strain at	sore messare at all (di-da) u Tajon*	Effective major principal stress at max (8 - 6)	offective minor principal stress of max (6-6)	rore pressure coefficient A at max (& - &
· "" · "	1.0	1 165	10.0	0.68	1.485	0. 32	0.583
2	2.0	1.914	14.5	1.40	2.514	0.60	0731
がある。	3.0	2:650	9.0	2.175	U. , K 75	0.825	0.021
NA KA	4.0	3:380	8.5	2.79	×. 590	1.21	0.825

²⁾ after consolidation

A Charles	、	-1 730	~ 8.30	7 4.		, , , , , , , , , , , , , , , , , , , 		· 	 	, , , , , , , , , , , , , , , , , , , 		
Pést Ho	Lateral pressure (Kg/cm)	liancter of specimen	Length of sepectation is	farection	Volume of Specimen Vicif	weight of	het density rx g/om	Jry Jensity 72 5/cm²	water content sc %	Yold ratio e	Yolume charge A V	
100 M	٠	3.40	0.70	9.07	7063	122.9	1.543	0852	101.2	2.080		0
	10		0.46	12	71.48	14.75	1.605	0 9 4 9	691	1.760	915	2
		3.49	0.00	ele Tale	84.04	129.2	1.537	0838	935	2.130		0
2	2.0		0.14.	0.12	- 65.19	110.35	1.693	1080	56.7	1430	18.05	3
7		آنی اور	9.76	, 9.78	85.54	132.0	1.543	0845	82.5	2 100	,	0
<i>3</i>	30		7.95	796	61. T.4	1082	1. 754	1173	496	1.230	23 80	3
		3.47	874	9.45	8259	129.6	1 569	0876	78.8	1990		0
#	4.0	•	779	740	55 70	102.71	1844	1307	33.0	0891	26 89	2
		351	0.75	9.66	P4.53	128.0	1514	0.799	096	2 280		0
5	5.0	``.	772	7.98	54.63	99.1	1. 796	1234	454	1120	2990	3

¹⁾ before consoliantion

rest pressure	mex. adviator stress d, - d's Kg/am²	Axial strain at	lore pressure at har (di-di)	Effective - jor principal stress at max (& - &:	Lifrective Linor principal stress of max (d-d)	fore ressure coefficient A at max (\$\omega\$ - \omega\$)
pressure (X-/	0.015	<i>5.</i> 0	0.540	1 275	0 460	0.663
2.0	1.372	7.5	1.075	2297	0 925	0.783
3000	1.069	7.5	,780	1 3.079	1. 210	0950
X X X X	2.060	9.5	2.080	4880	1.920	0703
12.50	3.478	40	2.640	5. 3 3 8	2 360	0758

²⁾ after consolidation

	SVZ	9.00 - 9	90		. *							_
Test .	1 6	specimen: "	thength of, specimen in one	area of specimen	У сш,	deight of specimen	net density rt 6/cm	ury density	Juter content We /	Void ratio e	Volume charge A V	
, ,	100	3. 5. 4	9.00	9. 9.3	06.50	136 5	1.578	0.894	76.5	, 960		0
· 7	1.0	l,	8.49	9.13	77.35	127.35	1.647	1.100	648	1650	9. 15	2
	••	3.5° 41	8.79	9.83	86.41	134.5	1.557	0885	76 0	1 995		0
'	2.0		0.23	8.50	69.90	117.88	1.686	1091	544	1435	1651	②
.3	* V .	3. S K,	8.80	983	8605	1377	1600	0.923	732	, 970		0
,	3.0	,	9.11	030	65 95	1176	1.781	1.206	47.9	1200	20.10	2
*	4.0	ુ છે છે.	8.79	978	86 00	137.5	1.599	0924	730	1870		0
•	X. 5		9.00	7.95	61.90	113.4	1.832	, 286	42.6	1.060	2410	2
.5		ઝ. ૬ ૩	9.73	976	05 20	1368	1.607	0.956	68.0	1770		0
	5.0	,	7.94	800	62.10	113.0	1833	1314	396	,020	2310	3

1) before consoliation

3) wfter consoliantean

West Mo	interal pressure (Kg/cm) 6	Lax. deviator stress or- or :5/cm²	exist strain at a service of the ser	Pore pressure at max (6,-6;) a hg/cm²	Frective major principal stress at max (%- %, %, %, %, %, %, %, %, %, %, %, %, %,	iffective winor principal stress at max (8-6) of 50-1.5/cm²	rore pressure coefficient a at nex (6, -6,)
	.1.0	0 0 3 4	4 S	0.550	, 304	0 450	0644
2	2.0.	1.340	6.5	1240	2.100	0 760	0925
3	3.0	2.000	60	, 720	3360	, 280	0828
×.	4.0	2.465	. 60	2230	¥ 235	1770	0905
	5.0	3.250	14.5	2.840	5 418	1216	0873

Manager of translate where the use of the Characters.

	5-7-4	11.00	11.75						· ·	,	·	15:
es t Wo	interal pressure (Kg/cm)	Mameter of the control of the contro	Length of Aspecialen	Sect. Jawl area o'th area o'th arealment a co	Volume cr specimen y o.m	sight of specimen	net- nensity ne com	iomai : rd s/ort	unter Sontent	Void vatio	Volume charge A V	
		3.51	0.70	9.67	84.90	134.8	1.588	0.912	70.8	1.950		0
	1.0		0.55	917	7825	128 15	1.640	1.010	6.2.5	1.660	6.65	2
		352	1079	9.73	95.53	1367	1.598	0:925	72.8	1.910	·	0
2	2.0		0.27	050	70.38	121.55	1 1.727	1.124	53.7	1.390	1.515	2
	, , , , , , , , , , , , , , , , , , , ,		0.76	9 70	95.23	1305	1.625:	0.955	703	1.820		0
.	3.0		9.14	0.36	67.23	1205	1.792	, 210	402	1.220	, 800	2
		3.54		9.84	86.40	196 T	1.582	0.907	74.4	1.965		0
#	4.0		0.07	8.11	63.60	1139	1791:	/232	ی ی	, 180	2.280	. @
		3.52	9.74	9.72	84.95	139.0	1636	1.010	62.0	1.660	<u> </u>	0
5	5.0		7.09	7.05	6035	114.4	1.896	1420	ي و لي	0894	2.460	2

no priembes, prime take

1				·			
	mireral	Aux. Sevinger stress d, - d, l. Konz	Maini oth is entitle Maini other	CPR TRESULTS ((drda)	flective top to principal to the state of at at-distribution of the state of the st	nicective mar in an animal atriass of a day of a day of a day	oco pressure coefficiental at max (de-de)
	1370	0.010	1.0 m	0.560	1.250	0 4 40	0.691
7. 2	2.0	1.270	55	0930	2.340	1.070	0733
		1752	27.0%	1.650	3 /02	1350	0942
1.	1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A		6.5	2.240	4.030	1.760	0.995
		2.950	9.0	2.740	5.210	2.260	0.929

	8. 7.—·	5 10.00-	14.80		w.	,	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	r	 	τ
Tagt	laieral pressure: (Kg/cm)	lareter.	lengtheoi specimen icu	Sectional area of speciment.	Tolume of specimen V cm	Weight of specimen	ret density rk g/cm	ory density rd g/cm²	fater content sc %	Void ratio e	Volume charge A V	
		3,52	154 J. C. 1864 N.	0.72	0524	170.3	1.990	1.563	27.0	0.707		0
	1.0		different second	047	91.99	167.05	2.037	1 622	25.4	0.643	3.25	Ø
· ,		3.52	8.79	9.72	15.44	160.7	1974	1523	29.6	0.750		0
2.	2.0		0.65	9.40	. 81.21	164.47	2026	1.603	263	0.661	423	2
,		3.52	0.00	9.72	95.54	167.00	,952	1498	305	0 790		0
3	30		8.62	9.31	90.16	161.62	2.016	1596	263	0.670	5.38	2
,		3.32	0.77	9.72	05.24	167.7	1967	1.520	29.5	0753		0
4	40	,	0.55	923	10.79	161.25	2.047	1646	24.5	0620	6.45	②
		.3.54	8.72	9.03	85.72	166.3	1940	1.492	30.0	0 786		0
5	3.0		0.39	908	7587	156.45	2 062	1.686	223	0.581	9.85	3
7	,	<u></u>) lesope c	, \		•	Zi ster co.	isoli			J	

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	វិម3 ៤ វិទេ	Letersl prosucre (1 c/cm²)	on of the		Tairain st ((di-da)	2 120 , 2000 17 115 	_(100).re	ifectiv (her _flact; l.tress ft name (do = ds, di =ife	iore preseure Cofficient of At 1 x (d, -da
Constitution of		10	1740		16.0°	0225	2.515	0.775	0.129
* * *	2	2.0	4.2.355		4.0	,005	3 350	. 0995	0427
A 100		300	2.750	, .	×.5	1325	4.425	. 1675	0482
1. A. A. F.	×	The same way to be a second of the same	3300		g. 5	, 990	5.310	2010	0603
を対象		5.0	3010		6.0	2 270	6549	2 730	0595

Table /// RESULTS OF CONSOLIDATION TEST

,	Projec	t ,					· · · · · · · · · · · · · · · · · · ·	Spec	ific Gravity	of Soul Partie	eles G =	21:1	Solid Heig	sht. 2Ho	•		٠	
	Sample	No.		1 1	الزائد			. Initi	al Height of S	Sperimen	2 H 1	=2.000 cm	1 011	W,	*	59.5	- ^ブ	<i>P</i> 7
, , ,		· .	, , , , , , , , , , , , , , , , , , ,	20	0.0	65.		,	Weight of Spi		W. =		2 H o	= G <u>,, γ∞·</u> A	267/X	1.00×28.	<u>-</u> = ァブ 26	. cm
•					grey	,			onal Area of			28. 26cm ²	Void Ratio	<u>. </u>	, 5	0.000	· • • •	у р
		* 5	Ar			12.	- , , , , , , , , , , , , , , , , , , ,	·					e =	$2H_1-2H$	<u> </u>	$=\frac{2.000}{}$	*** 7	$-\frac{\pi}{2H_0}$
•			-	- "	mad	win the	rd.			•			-	2Ho 1522 -	R	,		
. <u>ro</u>	g.t.Fi	tting 1	M ethod		,						•		=	: /3/42 -	2 H o		•	•
			5 2 T.	<u> </u>		* '4 4	<u> </u>	,		1		· ·	···					
p	<i>p</i>	ΔΡ	· R	2 H	, H.	R	е	e=	Δe	Δe' ·	d s	d 100	tso ·	- C •	a_{\bullet}	a·.	k	m.
kg/cm²)	(kg/cm²)	(kg/cm²)	, (cm)	(cm)	, (cm)	2 H o		٠,			(cm)	(cms)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm² /kg)
0		- 1	٠ ح	30000			.54.7											
	0.05	0.11		1	0-231		.,	15282	"						5 46			109110
0.1			10:18	. 07012		0 C	50.70		*									
·	0.15	0.1	-		1. 0 mg	· ·		1221	2 2 2 3 3 3	10,27	2:55	C 3/CC		2.5x 10d	2772.6	3.4.6	11.12/00	~~ ×101
0.2	1	, ,	60.19		+	16 825	الوجوع بوار	` 										
	0.35	0.3			13/11			125:7	0.000	105.7	c 66-1	1 20 31		7.5×100	21/4/6	, 2 1 - 1 - 2	2.18 1.18	77/x.02
÷0.5	+	A F.3	2052	+	******	1 1/2 1/5	1211								<u> </u>		7.0.2	620 52
<u> </u>	0.75	0.5		·	1 2:48			~ J.	200	c c 830	1 - 1	امارين تيريم		17,100	210x1C	1 3/2 X 11 1	-198x100	JUS X102
1.0	1.50	1.0	2.7715	44.5													7	- AC 52
2.0	1.50	1.0	.,,,,	· · · · · ·	الإيمراء شوير	· ./.	0.0		c 1245	11150		1 2 2 2 2	3,27	2112164	1-6-4	0/116	2-12100	200×10-
2.0	3.50	3.0	<u></u>		209		1. 4 9. 2		2- 0			C12 B			200	0.70 0.3	3 5	2011
5.0		. 3.0		1027	 		87.000		1 20,2	c 1/10	0 165	775		3.70×169	1 22-216-	2 2762	1.7x166	J. () X / 2 -
<u> </u>	7.50	5.0	6223		6.766	1501.0			r 13:3'6'			- 102° · 10	وير- مور	W.C. OH	210 00	-100 52	1-1×100	132 × 10×
10.0	1		15010	-4		< /	0170	7.30	. 700 %	0./ //	15711	6 30-1		7 7 7 7 9	-1 × /0-		2-2-2-0	
	15.00	10.0	2		6.7101		7.1-1-2	c 1200	6-30	0 11/2	- ,3/1	r sofer	ے ہے ہے دنیہ	110	1 200 15	1774166	-1-109	1-1-10
20.0	 		062.00				1 32.10	<u> </u>	17 - 27	0 141/		70000			2-1-3-7	(4 / * * * * * * * * * * * * * * * * * *	1	
				,					 					·····				
10.0	:	1	12/2009	12770	. %	.y.2 -	:-0	-	D	. ~		<u></u>		0.197H	/ 2/ >	<u> </u>		
- 5.0			c 6:21		1.	, ; ,	1 75. 6	1	Remarks:						(cm²/sec):			
2.0	i,			13 20			ر در در	1 .	ં તે.	ande V	seletion of	Void Ratio		$_{\bullet} = \frac{\Delta e}{\Delta p}$	(cm*/kg):	Coefficient of	Compressibilit	y
1.0	· ·		0511	2.7.23		2 1.07	· conic	1	$\Delta e = \frac{GR}{2}$	H• to	Primary C	Void Ratio Compression	a	$e = \frac{\Delta e'}{\Delta P}$	(cm²/kg):	Coefficient of	Compressibilit mpression	y
0.5	· 1, 3	1.	15610	1, 20, 2, 3	3.7	- 7:0	arir.	1		*			k	$=a \cdot c \cdot \gamma$	(cm/sec):	Coefficient of	Permeability	ļ
0.2	,	-	6 1531	+			1 25-1	.1	ds : Re d_{100} : Co		orrected Zo				(kg/cm):			٠ إ
· 0.1			05.300	18 19			0-120	7	at 🔭 📑 🔭	100% Prin	nary Compr	ession :					Volume Chang	re l
<u>```.0 ``</u>	<u> Li i i i</u>	17 7	0.51.0	ه ينبه ينه	1.	c 1879	جم مح دورش م) by	Log. Fitti	ng Method			I +e=	. cdu \ κβ \ ·		, "	

RESULTS OF CONSOLIDATION TEST

Projec						,						Solid He	ight 2Ho				
Sampl Tester	No		100-				Dry	Height of Sp	,		=2.000c = 700g	m 2 H	$= \frac{W_s}{G_{s} \cdot \gamma_{w} \cdot A}$	=	7.00×28.	 = 	9.16 cm
g.t Fi	tting I	M ethod	contaln	euniol Ing _{soar}	grays Id Sono	liff day	Sect.	ional Area of	Specimen	<u>A =</u>	28. 26cm²	e =	$\frac{2H_1 - 2H}{2H_0}$	R 2Ho R 2Ho	= 2.000	- (91 ₀)	2 Ho
p _m (kg/cπ²)	Δ <i>P</i> (kg/cm [‡])	R (cm)	2 H	H _m	2 H o	е	e.	Δe _.	Δe΄	ds (cm)	d100	t so	C. (cm²/sec)	a. (cm²/kg)	a. (cm²/kg)	k (cm/sec)	m. (cm²/kg)
	,		-1111			0.0		`									
0.05	0.1	200	224.	2 03/-	200	،	11611	06700						127410			11/25

	, p	p	ΔΡ	R	2 H	Hm	. R	e	e.	Δe	Δe΄	d s	d 100	t so	C.	a_*	a.	\boldsymbol{k}	m .
	(kg/cm²)	(kg/cm²)	(kg/cm²)	(cm)	(cm)	(cm)	2 H •					(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
	0		,	0	-1111		<i>^</i>	0.00		`									
		0.05	0.1	`	- `-	2 03/-	-	,	11611	26127						127410			11/4 5
Ì	0.1			تغييس بيزير	14.60		1 1 139	ر بدن ع											
-		0.15	0.1			9,00%			1.11	colo						604.00			17.00
l	0.2		<u> </u>	cc 38.2	1 ist	<u> </u>	زدنس	1171	Ĺ										
		0.35	0.3		<u> </u>	1 77.7			10/3	1 12 - 20	11.	1 160	1772	1080	11/2 10	92. 7.7	100 .	11/ 13	110
	0.5	,	-	1550	19:12		- دیری	1-6-1			<u> </u>								
*		0.75	0.5	<u> </u>		2900 V			10211	1 (5115	1-1-	13:36	19636	160		102,0	(: 0	-1/11/0	12/ 12
	1.0			(2000	1.11/2.17	<u> </u>	1.1	1 0				<u> </u>				•			
	2.0	1.50	; 1.0	,		0-1:15	<u> </u>		1.15%	0 975	0000	c file	1.27.77	. 71	2. 4/10/2	901. 12	760-63	3161.13	111112
	2.0	2.50	3.0		1,1950			6 310		 	<u> </u>						<u></u>		
	5.0	3.50	3.0	, , , , , ,		0-19-		-	c 5119	1/10	12 62	مريزين	1650	1128	1 11-7	37.	1.1.1.	11.10	- 1 C - C -
	3.0	7.50	5.0	75 6		01817	٠٠٠٠ .		(5.5)						<u> </u>				
	10.0	7.50	3.0	7/2/	10000			1 3 5 5	16/2	01117	1 100	C1320	15250	1011	2211	37/	< 12	12 x16	` 7:
-	10.0	15.00	10.0	1 37 4		0.1.711	7 7 77		1777			2000	1			- 2			<u> </u>
ì	20.0			15702		0.077	1 / () 1	1570	-	C.1.CC	10/1/	1000	12351	1120	11/21/	11/2 62	71.10	V VX	2 4 2 9
,			<u> </u>	3	3 5 3	,	1	1		<u></u>	 		 	···					
-	10.0		1	- 1450		124,552	1960	1 51.7			' =	J.,,	11		0.10211		<u> </u>	<u> </u> .	<u> </u>
	5.0	***		- 54-2	399		200	1011	**	Remarks				С	$_{\bullet} = \frac{0.197 \mathrm{H}_{\bullet}^2}{1.00}$	(cm1/sec):	Coefficient of	Consolidation	
	2.0	J. 1.		1 00125	27.750	1,1	11570	1000	Ĺ	٠	., ذ	*	Waid Datin	_			Coefficient of		y
· [" I.O	7 . 45, 3	् ३६ :		1500	13 75 3	15.276	6511		$\Delta e = \frac{a_1}{2}$	H. : 10	Primary C	Void Ratio	а	$s'_{\nu} := \frac{\Delta e'}{\Delta \Omega}$	(cm² / kg) : '	Coefficient of to Primary Con	Compressibilit	y
٠.	0.5	\$ 1. \$ X	.50.70	1 17 75	1520	1000	1.559	11/130		,				k	$=\frac{a_i\cdot c_i\cdot y_i}{1+e_i}$	(cm/sec):	to Primary Co	mpression	
	0.2	್ರೈತ್ಯ	J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	1 3018	3554		0.1716		1.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		orrected Ze Dial Readi:		~	$\omega = 1 \times 10^{-3}$	ا الساسة ا	Loefficient of	rermeability	
	0.1	. L. S. J.	1. S. J.	ير درور و			1.25 6	1111	, ,			nary:Compr							,
	21-0-	A3825.5"	100	17,36	10.50	1. 3. 3. 4.	م د د در اور	10000	••	by .	Log. Fitti	ng Method		11	$i_r = \frac{a_r}{1 + e_a}$	(cnoi/kg):	Coefficient of	Volume Chank	ÇC

Table //9 RESULTS OF CONSOLIDATION TEST

- - -	-	Projec							Spec	ofic Gravity o	Soil Partic	G. =	2.676	Solid Heig	ht 2Ho	,			
,	•	Sample	No	* * * * * * * * * * * * * * * * * * *		123			Insti	int Height of S	pecimen	2 H 1	=2.000 cm	0.11	W,		575		سي مر.
,		,			" Per		• •		•	Weight of Spe	<u> </u>	W. =	P15g	2 H 0	= . G .• γ-• A	-1.0×	1.00×28.	26	· cm
		Tester Conditi		ple L	. 14 1	* 4 1. 2**				ional Area of	· .		28. 26cm ²	Void Ratio	 2 H 1 — 2 H	。 R	2. 000 -		R
	_	- 1	, 'a v		medin	m faz	d	1.5		v	7 7			e =-	2 H o	2 H o	$=\frac{2.000}{}$	-5/	2 H •
Ī	_og	.t Fi	tting l	M ethod				3.3			;	* .		=	0.256-	- R 2 H o			
р		p̂ _{™,}	ΔP	R	2 H	Ha	R	e	e _m	Δe	Δe	ds	d 100	tso	c.	a.	a.	k	m.
(kg/cr	ភិ) (រ	kg/cm²)	(kg/cm²)	(cm)	(cm)	(cm)	2 H •	ž.	, , ,	-		(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm ² /kg).	(cm/sec)	(cm²/kg)
0			-	 	2000	-		6 45								,		ļ 	170.00
-	- -	0.05	0.1		0200	مود در		h"	2 571	00000					<u> </u>	5º 90x 0			
0.	1	0.15	. 0. 1	6102	, 2255	, 2200	0.0037	(15-1	. 301	10000						.11:1			1. 19. il
0.	2	0.15	- 0.1	01151	2-49			1. 1. Tr		10000		·				1	,		
		0.35	0.3			2.6	-		0.931	cc 7	فرد ره ۱	079	1810	5:20	157×163	We call	1.7	14/11/18	1:0
0.	5		7.	160.77	12/18	,	000169	1000	v* ;		,						 	1 1 m	
		0.75	-0.5		, ,	7 13:2				1000	1.17	1 3626	0 2 2	110	267 x 20	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	7.1. C.		
1.				11/1	2000			1-350		1		-	10.10	/	1 (1)	ا مر د ایر در ایر در ا	211/25-	17/3/17	7. 64
	0	1.50	1.0	1150	نور: قده	1307		11/19		1000	- 1. 17	1 - 2 - 2	7 9727			1			
		- 3.50	3.0	1 2 3 3		25.7		C 27 / 7	r 73.85	00 %.	1000	27275	() 30	7.716	200 116	7- 7, 10	1,700	il city	1 21 17
5.	.0	, .		1.3.6	1.15%		1 69	2116								į ·	1	!	
-	·	7.50	5.0	1	25.	64777	1.		-1777	10011	crew	1.110	1111	10,300	1.11 8 16	1.56.00	12/11/2	1.00	111. 10
10.		``		1-119	ノフッペノ			ileit	,			<u> </u>				7	7 701 2	-7	200
		.15.00	10.0	1	\$ "EV.	216		· · · · ·		10 7/5	191	1 7000	0.6540	1005	5. 4163	1-1/2/2/1/2	(X/2"	<u> </u>	17-7-1
20.	<u>.</u>	13.	1		157.1	1	(, 3,3)	1 / 32 C		-	-		 						
10.	o .		<u> </u>	1 milit	1512	-		10520	 	1	J	 	<u> </u>		0.197 H	(-2/)	,		
5.			, , <u>, , , , , , , , , , , , , , , , , </u>	2 Jugar				1.07/	-	Remarks:									
2.			1, .	1, 137.51	1	1:	6.00		1	d_{i}	ds ∨	ariation of	Void Ratio	a	$v = \frac{\Delta e}{\Delta p}$	(cmi/kg):	Coefficient of	Compressibili	., įv
. 1.		15	, e *.	V Sill		, ,, ç,		11].	Δe ==	ZH • to	o Primary	Void Ratio Compression	a	$L'_{\bullet} = \frac{\Delta e'}{\Delta P}$	(cmī / Kg)	Coefficient of to Primary Co	ompression	-
0				1.2950			1. 1.			ds R	eading at C	Corrected Z	ero Point		$=\frac{c_1}{1+c_2}$	·(cm/sec)	Coefficient of	Permeability	
0.			 	10-5-1			1-6-	c5-10.] ^`.	d_{100} : Co	ompression	Dial Read	ing	γ	$_{\text{w}} = 1 \times 10^{-}$	(kg/cm);	Unit Weight	of Water	
0	.1				7.79		C 500]	at by	. 100% Pri: Log.Fitti	mary Compi ing Method	ression	η	$n_{r} = \frac{a_{r}}{1 + e_{r}}$	(cm²/kg);	Coefficient of	Volume Chan	ge
(10.60		1	k - 1/	711.3	<u> </u>							1			

		المرابعة الم						·							· · · · · · · · · · · · · · · · · · ·	
	المناسبة ال المناسبة المناسبة ال					Table	120	RESU	LTS OF	CONSC	OLIDATIO	N TEST				

and the same of th	Project		South and a second	<u></u>		Sp.	ecific Gravity	of Sail Par	iseles G =	/79	Solid He	ight 2H o				
	Sample No.						tial Height of	Specimen	2 H 1	=2.000 c	m. ഉപ	W,	· ·	, 1950		<i>,</i> .
	Tester No.					<u>Dri</u>	Weight of S	perimen	<u>W. =</u>	= 9 ³ .7 g	2110	$=\frac{W_{i}}{G_{i}\gamma_{w}A}$	1 7/7/2×	$\langle 1.00 \times 28.$	26	cm
	Condition of San		undy day			<u>Sec</u>	tional Area of	Sperimen	<u>A</u> =	28. 26cm²	Void Rati	i <u>o</u> 2H, — 2H	lo R	: 2.000		R
· · · · · · · · · · · · · · · · · · ·		tiand		AT HE				•			e =	2 H o	2 H.o	= 2.000		2 H o.
Log	t Fitting 1	<u>Method</u>						, ·	3	•	=	$\frac{2H_1 - 2H_2}{2H_0}$ $= 0.5 \text{ for } -1$	<u>R</u> 2H₀			
p.	י א א פֿי אַ	R .2 H	13.1					T .	Ţ., ,				T. *** ,	1		1
	ľ		1 4 1	2 Ho	е.	e.	Δe	Δe	ds	·d100	t 50	c.	a.	a.,	k	m .
(kg/cm / (kg/cm²) (kg/cm²)	(cm) (cm)	<u> </u>	<u> </u>	o cate	1 1		ļ	(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
0.1	0.05 0.1	*	2376			a 132,9	2 800 3		 				يريم د برم بومز			1.16. 1.
	0.15 0.1	50,00,350	- ::	* * * * * * * * * * * * * * * * * * *	<u> </u>	6 (1.25	1 2 3 4 6	, ,					7			
0.2	0.35 0.3	00.22 199-1	1 30-10	17.10	· ^:2		Det ₹ ,	ļ;- 	• .	<u>.</u>			1000			1. 1011.
0.5	1	0 (5)5 ,9165	\$ W. J.	012	1.12	1 2 2 2 2 2	CC 80	1.01.2	5 6795	c/000	fen	2.7. 2	2/1.60	1.60	77.7.7	777.72
1.0	0.75 0.5	0,026 , 10,1	1 46 7 A 3	· · ·	/ >	1 11.65	× 1 175	crich	1.275	1 3005		101. 70	57.7		, ;·, , 5°	4/ 4/-
2.0	1.50 1.0		1 10 3	,;- ·			105.16	اربو م	دومیتر بر م	1 30%	1000	10,20,00	21/41	11/2 8	111. 60	1"
	3.50 3.0	1290 , KYC	22.3	**************************************	C . 7 , U /		***	1	1 2770							
5.0	7.50 5.0	0 302 17969	707	1/2/3	C. S. 773 }	2 / 4 *				1.500	1	X / Trans	+ 55 4 16 - 1		,	1 2//-
10.0.		0.2700 , 1300	2 1 2	160	1200	1. 3.7 B	× (20%)	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	c ->4.	1.0.46		100	270 75	14,00	10.00	11:077
20.0		03092 / 7.115		270	· · · · · · · · · · · · · · · · · · ·	, z, z, <u>z</u> , <u>z</u> , <u>z</u> , <u>z</u> , <u>z</u> , <u>z</u> , <u>z</u>	200	1117	66755	1.1196	;-,-	: 1.74,50	9.6×11-3	1/1. "	10:00	- 12/13
200		1110 15/5	 	3.57	A	1.2105	00570	1 - 256	- 6075	5760		210×15	2, <u>2,1,7,2,</u> 12,	37.00	, प्रदर्श	306 < 183
10.0		120 6750	\$ 37	30 W.	. 27		Remarks:		,	,		$\bullet = \frac{0.197 \text{H}_{40}^2}{1.00} ($				
		21-2 8571 2815 16:55		1711.				<u>−ds</u> Vi	ariation of	oid Ratio	a	$_{v} = \frac{\Delta e}{\Delta p}$ (cm²/kg):	Coefficient of	Compressibility	
1.0		11/1/ 1/1-92		- 2					Primary Corrected Ze		a k			Coefficient of to Primary Coi Coefficient of	Compressibility apression	'
0.2;		3270 16730		3.787	· 2/17 · 2/1	1	2100 : Co	mpression	orrected Ze Dial Readin sary Compre	g -		•=1 ×10 (kg/cm²) : i	Unit Weight of	W∎ter	
0.1		2916 11:21	1		30.15		by	Log. Fittin	g' Method	o a tott		$v = \frac{a_{\bullet}}{1 + e_{\bullet}} ($	cm ⁷ /kg):	Coefficient of	Volume Change	•

Table /23 RESULTS OF CONSOLIDATION TEST

4	Proje	ct .		<u> </u>		1 2 2 1		Spe	eifie Gravits	of Soil Part	icles G =	= 2616	Solid Hei	ght 2Ho	•			
	Samp	le No.		خ فر	ين ت			init	ual Height of	Steermen	2 H 1	=2.000			,	.06		
u	Tester	No.		10.00				<u> </u>	`			= 1968	2 H o	= Con Vers A	-=	$\frac{1.00 \times 28}{1.00 \times 28}$	$\frac{1}{26} = \epsilon \ell$	cm
	,		aple 40							· · · · ·	_		Void Rati			1	20	
					,**	` . ``v.	<u> </u>	<u>Sect</u>	ional Area of	Sperimen	. <u>A =</u>	28. 26cm²			io R	2,000	- ,670	R
			•	entain	Day Conte	2010	End.	. .					e =	2 H o	2 H o	∏ = 	670 150	2 H o
Lo	g.t Fi	tting	M ethod	<u>L</u> e ` <u>.</u>	```````````` ``*\`*	4 .	· '' • . · ·			ř	• : "-		=	. جيم شرعتي =	$-\frac{R}{2H}$.'		
· · ·	() °,	-	· · · · ·	· · ·	, X , X , X , X ,		- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	. "					<u>.</u>		2 H o ~	,	•	
, p .	P =	ΔΡ	R	2 H	H _m .	R	e	e.	Δe	Δe	ds	d 100	+	C.	a.	a.	k	m.
(kg/cm²)	(ka/~2)	(kg/cn²)	(cm).	(cm)	(cm)	2 Ho				4			t so]		
0.	(Ag/CII)	(Ng/CII)	10	21000			. 5.11.0				(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
r	0.05	0.1			22.		1		6-101	ia.		 			0.4 57	<u></u>		112 02
0.1			50 150	م رحم ن و ر	 		5/11	× × ×	2 / 1						19126	1		6522102
	0.15	0.1		·	n - my.			304-	00-19	,			•		19810	,		710 × 102
0.2			60.00	بزےرہ <u>،</u>		<i>.</i>	, 200%	4										100
0.5	0.35	0.3		* * * * * * * * * * * * * * * * * * * *	- 3757		10	0.29	011	cc=2/	2 - 27 - 5	09111	276	_C1<1000	1105	2. 71 / 1/2	7.77 .08	208.00
0.5	0.75	0.5	1190	4.7			17.0		7						-	•		
1.0	0.73	0.5		7 (- 1/4	12:11		ļ ·	· / · · · ·	CC2-0	11/20	09:10	1,9,0	1	136×.00	11.240	271 62	755×168	5784166
	1.50	1.0	- :*	-1-K	7 - 1 /	<u> </u>	ice		- 1	• •				<u> </u>		1		
2.0	;		- 27.0	1300			2550	11916	1 -1130	11/11/	7 77	07/21	7,70	256×100	212	111	1-1- x108	300272
	3.50	3.0				1.150	1-1-6		~ ~/~	10.1/0	6660	6 4 2 6			10:57		1.1 2	22 7 7
5.0	,	·	1 50.55	.11:0	الم راقع الم	2 300	7.40	70003	<i>c -7 / /</i>	1577	c. (550	2576	1800	182 1,00	185.X167	1, 225	18.10	38 7 310 6
	7.50	`5.0	1		1.013		+		r	1 8 10	24/20	12970	و در د	377 1 15	CAC 1152	120 2 53	- it 109	11/5/12
10.0	15		1500	1		, •• ' ;	1.3,00	-						<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>	3-23 X/6	7.7.4		
20.0	15.00	10.0	**		cf. 5			, 798-	- 230-	250,00	مرسيج و	محمودر بر	910.0	756x158	830 0	1 10 1 15	3-15-15-16	1-73,100
20.0	,		/ 3 /	7750	- '		5 1 4-0			•1	<u> </u>						1	
10.0			1. 1/1	1.	* * *			,								ı		
5.0			2 200	ارد در ر در د	-		,,		Remarks:				С	0.197 H=	(cm²/sec):	Coefficient of	Consolidation	į
2.0	* 2			1.00.79	9.5 5.8		1. 7.71	,	*** .	*			a	_ <u> </u>	(cm² / ka) ·	Coefficient of	Compressibilit	,
1.0				29.7				\$ ~*	$\Delta e' = \frac{d_{100}}{2}$	<u>-ds</u> . Ve	riation of	Void Ratio compression	a.	Δp	(m² / ka)	Coefficient of	Compressibilit	y I
0.5		, 1	/	1-191			25.70 2.75377	*		,			L.	Δp	(cii / 45 / •	to Primary Co	Compressibilit mpression Permeability f Water	
0.2	٠	ليهم	0_0	م ح تم در بر	,						orrected Ze		κ	1 +em	(com/sec):	Coefficient of	Permeability	
		, 3 ,	11/20	1. 1. 1. 1.		, , , , ,	0 320	΄, α	Z ₁₀₀ ; Cor	npression 1 100% Prim	Dial Readi ary Compr	ng ession	γ,	$a = 1 \times 10^{-1}$	(kg/cm²):	Unit Weight o	f Water	
	And Dig And		13.03.2	5.0 G	y. **	1 3670		•	by	Log. Fittin	g Method	•	m	$v = \frac{a \cdot b}{1 + c_m}$	(conf/kg):	Coefficient of	Volume Chang	ic :

Table /24 RESULTS OF CONSOLIDATION TEST

Solid Height 2H o

Specific Gravity of Soil Particles Gs = 1/3

, , ,	Sampl	e No.		1 1	~ 1			Incti	al Height of S	Specimen	2 H i	=2.000 c	m 2Ho	W,	-= 	<u>من</u>	_= 0%	IL cm
	Tester	No.	ر المراجعة br>المراجعة المراجعة ال	11.00		:0		Dry	Weight of Sp	rcimes	<u>W = </u>	- 558 g	2110	G - γω·A	~1833 X	$1.00 \times 28.$	26	CA1.
	Condit	ion of Sam	ple Mar	6. gray	clay a	eft	, *a	Sect	onal Area of	Specimen	<u>A = 2</u>	28. 26cm ²	Void Ratio		o R	_ 2,000	- 1741	R
Lo				ntoini			sand	- 	•	*		-	e = =	2 H o	R 2Ho R 2Ho		- 117	2Н•
, , ,	,		,	<u> </u>	ردد	`,	*			, 			,		2110			
р	p	Δ₽	R	2Н.	He	. R	e	·e•	Δe	Δe	d s	d 100	tso	C.	a.	a.,	k	m_{ullet}
(kg/cm ²)	(kg/cm²)	(kg/cm/)	(cm)	(cm) _.	(cm)	2 H •		,			(cm)	(cm.)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
0	2 25		, 0	2000		-, ,-	123°								7.3 2-4			2, 2,00
0.1	0.05	0.1		7 9.00T	~ 20.	1 7/5	1 2		0 = 158						15500			77.77.0
0.1	0.15	0.1	crist	7,7,7,2	27.11	1-2/2-	1/		66517						2 3000			1.
0.2			00120	145.76	 	115	11/2											
	0.35	0.3	. 3 %		0 355	^			11119	1070	1 360	ニナリア	. l.	1-1-15	1	1: 10	11- XIL	11.
0.5	2.55	2.5	106%	وجداء ر	•		.,500.	1		-							N 1	
1.0	0.75	0.5	2006	2 '	1 3104		2.4	1.9192	2.5.0	11:26	(,×, -,	1 7.01	4115	1 100	3.0/2.00	2.7.7.	1.1. No	<u> </u>
1.0	1.50	1.0	1 2011	1537	c 2705	1-23.7	1000		۲۰. ⁻ ۲۶۶۲	. 60	700		Geri		10000	2621	1.14.60	
2.0	_	1	1020	1930		0.5000	5.03/1		7. 3.77	1. 666	1 200	132.0						·
	3:50	3.0			1 3:21		7-311		~ 50	20	15560	ر 90 نو ي	1:00	1.700	2:	11/11/12	1000	199.00
5.0		٠	16818	17/12		061	1 -15:							į.	Ì			<u> </u>
	→ 7.50	5.0	,		6/573				1.180	1210	17/10	- 56to	X X	1000	37/x 15-	257.00	1.161	1.04.66
10.0	15.00	10.0	17558	1.150		11	1.6950							7	15:10			الاحتر الأدرير
20.0	10.00	10.0	11695	11500	c 5237	1 - 7	100		c. 100	12.77	1 - 7,25 8	1.1.116	2.70.8	337-77	15.15 16	1-1-6-	17 1811	1277811
,			1 2 2 3	77	 		7 5 2 2	-		` .		 			 			İ
10.0	1.,	1	7.1	11560	,	1	030	 	<u> </u>	<u> </u>	<u> </u>			0.197H2	/ 3/ \ .			
5.0			c rist	م مبدر		7.00			Remarks:		-				(cm²/sec):			
2.0		! 	1.1.1.	10 30		,	1116:	-]	di	⊶-da V	ariation of	Void Ratio	a	$l = \frac{\overline{\Delta p}}{\Delta p}$	(cm / kg):	Coefficient of	Compressibili	t y
1.0	1.7.	, .	1 7 20		`			2] -	$\Delta e = \frac{1}{2}$	H• to	Primary (Void Ratio Compression	а	$l_{\bullet} = \frac{\Delta p}{\Delta p}$	(cm²/kg):	to Primary C	ompression	•
0.5			C . 2 1 9	12:11	1	ļ , -*	. ,	'	ds Re	ading at C	Corrected Z	ero Point	k	$=\frac{1+e_n}{1+e_n}$	(cm/sec):	Coefficient of	Permeability	
0.1	7.2	 	6 Z.TV	-550	}	- 100	7		$d_{100}:Co$	mpression	Dial Read	ng			(kg/cm³):			
· · · · · · · ·	N. N. I.	5,12	6 8 1	7.50		} -	2015	 			mary Compi ing Method	ession	r	$n_v = \frac{a_v}{1 + e_m}$	(cm^2/kg) :	Coefficient of	Volume Chan	ge
	ng - 5273° a			17770	<u> </u>	<u> </u>	T 7756	1	·									

Table 125 RESULTS OF CONSOLIDATION TEST

	Proje	et						Spec	ific Gravity	of Soul Part	icles Gs =	2/15	Solid Hei	ght 2Ho				:
	Samp		. (*,** ,	8 1					al Height of ! Weight of Sp			=2.000 cm	n 2 H o	$=\frac{W_s}{C_{s,s} \gamma_{m,s} A}$	-=	<1.00×28.	 =	/ S cm
	. <u> </u>		ople Ary	921/6	light of	redism	furd		ional Area of	~		= 10 / g 28.26cm²	Void Rati	<u>o</u>	4 4			8
Lo	g.t Fi	tting	M ethod	faw o	s erge	nic .		- ,	,		·	•	e ==	2 H •	2 H o R 2 H o		<u> </u>	2 H o
p	p _{in}	Δ₽	R	2Н	Н.	R	e	e=	Δe	Δe'	ds	d 100	t so	С.	a.	a·.	k	m.
(kg/cm²)	(kg/cm²)	(kg/cm²)	†·	(cm)	(œ)	2 H •					(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm/kg)	(cm/sec)	(cm²/kg)
0	0.05	0.1	- 0	Perce.	0 2962		, .,,,.	 				 					<u> </u>	
0, 1	0.00	0.1	00,000	1921		CCNE	1000	c F.J	00 100						1000×11	·	 	1:14.00
	0.15	0.1	2.77		2 2-75	· · · · · ·	~-~	1 5960	0000			 			22000	}	 	1.5 - 10-2
0.2			1.0267	1979		0020	11:11	7								 		
	0.35	0.3		•	07:4	-	_ `	16768	1504	ceist	0.960	, 3000		119.40	27/2/1/2	1		1. 4. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.
0.5			c'c390	19910	,	0-05-5	116.5											
1.0	0.75	0.5		2 4	6 1650	 		c 1.100	c (**/.7	10212	1 1. 29	1. 11	1.5	· ^ , ~?	1.0.1.	1 1/10-	2-7.7	11/2/64
1.0	1.50	1.0	50915	190 50	200	06 777	6-16			• ;					<u> </u>		ļ	
2.0	1.00	1.0	1 10150	12.57		01157	. ~2 ~3	c/100	p (2' x()	<u> </u>	C.775	1.60	مر به ۰۰	2×160	12,000		1.1 9	
	3.50	3.0		20.7.	0 9165	C (13 /		catto	1000	2/2	. (,0 ***	AU 51				1 2165
5.0			62072	12800		61735	1558	1. 5660		77.2	F	(<u> </u>	150 - 114	\		ļ	
	7.50	5.0	4	7.	c PP10		<u> </u>		10500	cease	1 7 170	1. 1.47	1000	1 4,50	11/11	, , ,	1 ;10	11/2
10.0	35 00		c-790	17510		د الادك م	(187)										 	
20.0	. 15.00	. 10.0			(80%)	4		1111	00120	00119	0%-	16:10	Hillor	3.24,15	1.520	117 6	1.1.11	1.1.00
20.0			coant	1000	<u> </u>	1.29.	1 1201										·	
10.0		<u> </u>	7	15/3	<u> </u>	2.1		<u> </u>			<u></u>	<u> </u>		<u></u>	<u> </u>	<u> </u>		
5.0.			0000			c 27.6		1	Remarks:			,	·	$_{\bullet} = \frac{0.197 \text{H}^{\frac{1}{4}}}{100}$	(cm²/s ec) :	Coefficient of	Consolidation	ĺ
2.0		,		17010			c 1970		•	•			а	, = <u>△ c</u>	(cn^2/kg) :	Coefficient of	Compressibilit	y
1.0		, 1	3771				C.2550		$\Delta e' = \frac{d_{1}e}{2}$	<u>r−cus</u> Va He to	ariation of Primary (Void Ratio Compression	\ddot{a}	$b = \frac{\Delta e'}{\Delta P}$	(cm²/kg):	Coefficient of	Compressibilit	y
0.5	دا			1.73 27			C 2 /33	, .		,	•		L.	$=\stackrel{\Delta P}{a \cdot \cdot c \cdot c \cdot y}$	(m/sec) :	to Primary Co Coefficient of	mpression	
0.2				,7605			1500	}			orrected Zo Dial Readi		n,	1 +e=	، (عاد درسا)	Coefficient of Unit Weight o	rermeability	
	,			4 > > 5 \Z	,		15-06	j. '	at	100% Prin	ery Compr	ug ession						
37.034			0:086	178/2	,	01716]	by	Log. Fittir	ng Method		π	$t_r = \frac{1}{1 + \epsilon_n}$	(cmī/kg):	Coefficient of	Volume Chang	

Table 7.26 RESULTS OF CONSOLIDATION TEST

Solid Height 2Ho :

	Sampl	e No.		87				<u> Initi</u>	al Height of !	Specimen "	2H1	=2.000 c	 М 2 На	W,	======================================	870	 =	10
	Tester	No.	·	500 m	155	0.		Dry	Weight of Sp	ecimea .	W . =	= 970g	, ~	G . You A	2692X	1.00 \times 28.	26	cm
	Condit	ion of Sam	7				rd elay		onal Area of		<u>A = 2</u>	28. 26cm²	Void Ratio	2 H 1 — 2 H	i R	2, 000	_ ,,26	, R
• •		, ,	<u>. 17</u>	mined.	~79a/	nic			* *				e =	2 H o	2 H o	_= =	116	2 H o
Lo	g.t Fi	tting l	M ethod				4 5 7 7	•		1	: :		- =	0754	R 2Ho R 2Ho	ĺ		
			, ,							· .	·	· 	· · · · · · · · · · · · · · · · · · ·				1	····
p	p m	ΔΡ	R	2 H	H.	R	e	ę=	Δe	Δe'	-ds	d 200	tso	C	a.	a·.	k	m.
(kg/cm²)	(kg/cm²)	(kg/cm²)			· (cm)	2 H o .	· "	,			(cm)	(cm) '	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
0		<u> </u>	. 0	20000	,,		0 7571	,		· · · · · · · · · · · · · · · · · · ·				·····			†	
	0.05	0.1			37.60			0786	0.000						P. 51 × 1-2			162011
0.1	0.15		20,00	1.9700		acass	c 7/52			<u> </u>								
	0.15				6 337			1.7200	00105						108×10-1			10.1 . 4.
0.2	0.35	0.3	00220	29780		0010	0.750				27.51.0			4.37. 67	223	-	1 3 = 6	1
0.5	}	0.3	00019	100.50	1 3.1%		1	r 7.70	00175	a cost	20-00	0.2/5/	4000	F.S. FX 104	1888 C		150.00	3.3.4.4.6.6
0, 5	0.75	0.5	06411	100/	0470	1. 1500	C7175	- 70 26	27.7		c 909c	Gran i	7.0	- 4 574	040.51	1.7.	20 00	270
1.0	0.10		00 750				1.900	7200	C 02/2	a C 100	c 70=C	c 32.6	1.00	1011 × 16 4	5.45 < 52	3~//× : ~	1 1 1 1 1 2	
	1.50	1.0			c 2528	0.0001	(6.701	170	c 0 771	- 6226	7 9207	- 3577	2160	820 .00	27.7 4 102	76. 35	1	17. 2
2.0			61158				16506	77.0	1070	<u> e - = v</u>	7707	0 100.		731 X10 -	0 2 4 72	<u> </u>	<u> </u>	1
	3.50	3.0	-5		0 9.55	7		1512	00009	0.001.2	c P695	2,2 9,2	3000	SSYNTE	191 4.62	1. 2. 7.	271.69	1178.62
5.0			01808	د ور مر	·	0.1500	1587					7		0 20 2.0		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		
	7.50	5.0	_	,	08959				code	0.0561	1. 2165	07121	12516	3.00×104	9/="x1(7)	7. 1.	1000	11000
10.0	<u> </u>	- : `	13060	7610		6 2060	55176	7		,							i	
	15.00	10.0			0 9650			crype	00576	0.1270	0 1515	c 7030	12/00	1174,00	5-76-2.05	27x10	11/24.01	D > 7,1,70
20.0		1,5	c, 70.0	16990	<u>```</u> .	C 620	100301	<u>'</u>	,								· · · · · · · · · · · · · · · · · · ·	
-	 	<u> </u>				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		- ,		<u> </u>	1						<u> </u>	<u> </u>
10.0	-	1	0 2730			c 25.7	1200	,	Remarks:		•		c.	0.197 HL	(cm²/sec):	Carttinions of	Consolidation	
5.0	ļ <u>.</u>		ىرىوىز: م	17:67	, _	وجربوج نر	1112	1	•					***	(cm²/kg):			. · ·
2.0	<u> </u>	<u> </u>	0 2150	2550	,,,,,,		ون در	` '	$\Lambda a' = \frac{d_1}{d_2}$	<u>ds</u> . V	aristion of	Void Ratio Compression		$-\frac{\Delta p}{\Delta p}$	(cm / kg / i	Cualliniant of	Compressibili	.,
1.0	-		7	177.19	 	12.275	5605		116 — g	2H+ ' to	Primary C	ompression		$e = \frac{\Delta e'}{\Delta P}$	(cm² / kg):	to Primary Co	mpression	•,
0.5	 	-		1.7970		13760	CTS'C	1	ds. : Re	eading at C	orrected Ze	ro Point	k	1 +c=	(cm/sec):	Coefficient of	Permeability	
0.2	<u> </u>	1		8201		C1566	15976		dian : Co	ompression	Dial Readi:	ng	γ.	$=1 \times 10^{-6}$	(kg/cm ²):≀	Unit Weight o	f Water	
. 0.1	1"	 	01621		* **	C 122	17.73		at he	100% Pri:	mary Compr ng Method	ession	m	$r = \frac{a}{\sqrt{1-a}}$	(cm²/kg):	Coefficient of	Volume Chang	ge
U	~ (\$e^2 - 3	1	1210	JE520		16.7-300	V1.40	1	oy .	TOB- 1 III	mR tactbod			1 +6.	,			

Project

Table /27 RESULTS OF CONSOLIDATION TEST

•		Projec		· ,			****		Speci	fic Gravity o	d Soil Partic	G =	17 ns	Solid Hei	ght 2Ho				
	-	Sample	ca ·	·	P	z ~ .	9	* * *	Initia	I Height of S	Specimen	2 H 1	=2.000 a	m 2H.	_ W,		200	= , , ,	eld cm
•		Tester	No.	- 1		٠. ١			Dry V	Wight of Spe	Cimen	W . =	965 g	2110	$= \frac{W_s}{G_{s} \gamma_{w} A}$	43*X	$1.00 \times 28.$	26	QII
	ĩ,	Conditi	on of Samp	ole Lay	bore	n' ha	rd	٠,	Section	onal Area of	Specimen	A = 2	28.26cm ²	Void Ratio	<u> </u>		10.000	- 4	D دروا
-		:	·	-				į, i				, ,		e =	2 H ₁ - 2 H 2 H ₀	o R	$=\frac{2.000}{}$	- ,	2 H s
•	-		: -		riling	g sana	<u>(</u>	``` ,		**					2 H •	R Zno		V. * * * *	2110
<u> </u>	_og	t Fi	tting N	l'ethod										=	= 1575 -	2 H •	,		
p		p =	ΔΡ	R	2 H	H _m	R	e	e=	Δe	Δe	d s	d 100	t 50	C.	a.	α.	k	m .
(kg/a	굨)(kg/cm²)	(kg/cm²)	, (çm)	(cm)	(cm)	2 H •					(cm)	(cm)	(sec)	(cm²/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
0				: 0	2ccc			55 80										ļ	
		0.05	0.1			المهودير			C5750	00162						1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			1.10 x10 =
0.	1			00069	1.0000		ككتبيت	-57.6		•								<u> </u>	
<u> </u>		0. 15	0.1			ا المرادد الم			-5712	creds				••		176116	-		71/200
0.	2			0.0129	برجزش ر	_		- 56/15			<u> </u>			.,			2 2 = 2	310 3	11/ 50
	_	0.35	0.3		-	1 1171			15501	161.9	000.75	c 33	27.4%	121	100	元: 1 左		238.70	21/2002
0.	. 5			i 1776	9/31		11296	154.4								1		1 2 2 3 3 4	11000
	_	0.75	.0.5	,		c 9700			C 2360	10.219	666.0	1 2 2	. 11.11	700	1.1110	13.4.6	156-16-	10/4/10	1.1.1
1.	0	,		00101	18348		00575	15:55					 			ļ	1 17050 777	1 500 50	1 30 10 000
<u> </u>	_	1,50	-1.0	,	100.4	<u> </u>			0547	cc 37	100	3 10 M	/ ;	150	11/46	- 374 -	7,72	11. 7160	1 . 4.6-
2.	.0	2.60	2.0	01015	10,00			1975				Name of the last o	 		9-1115	 	1 1 2	1 6/ 6	1 2 2 2 1
-	_	3,50	3.0	^2		1 3/11			1 17 3	0191	1.5	> 5.6.	(/ /	53.5	y-11115	14.2×	1 3 × 1	1000	+
- 5	.0	7.50	5.0	c 1570	1.00	7	1000	1571				2			17600	1 - 2 - 2 - 2	1 -1 1	۶ ټر د اړ کو په ا	1 1000
10.	<u></u>	7.50	. 5.0	2.00		0.0091		 		c C.J.75	1.6.2.	1 2-1-1	′ '	77.	1.7.5.	1224	12, 47 × 16	1.6.1×1	T
10.	•	15.00	- 10.0	C=675	11905		1 1657	11:26					 	ر مر -	1. 1 × 10	1 171. 50	1 55/2 17	12/10/19	12.77 1750
20.	0			12702		c. fife/	1.10	12658		V C11 6	/ 	C 3. 11 5		1 - (.6	11-15-576			112:21	T.5-1-0-1
30							100	1.77.38	c 2270	2/2	1, 1.	 	1.00	7 F3 F	- 21 × 12	V.F1 x 150	11/4/	111111	27/2/2
20	0		1	1 37.19	2000	2.26	- 1- C	1000	7/6	<u>(627 / </u>	1 30 1	10 .	0 KON						
10	<u>-, </u>		 	10129	11971		2012	م تروس		Remarks:					$\tau = \frac{0.197 \mathrm{H}^{2}}{\mathrm{t}^{44}}$				
8	$\overline{}$		-	7-7-58		,,,,,		1530	1	,	1		, 1/ 13 Daris	a		(cm^2/kg) :			
1		,	1 .		1.1.1.6		,	(3776	1 :	$\Delta e' = \frac{d_{12}}{2}$	<u>∞ ~0s</u> : V	ariation of Primary (Void Ratio Compression		$l' = \frac{\Delta e'}{\Delta P}$	(cm² / kg):	Coefficient of	Compressibil	ity
1: 11	9:-:-		1, 2, 1	12112				م توعورون	i						$c = \frac{a \cdot c_{\bullet} \cdot c_{\bullet} \cdot \gamma_{\bullet}}{1 + e_{\bullet}}$	(cm/sec):	Co. Cimary C	ompression	
1.2.	<u></u>	: -:		C 2215				1 2005		ds : Re	ading at C	orrected Z	ero Point		1 +e ₋₃	ا (فالمالية)	Coefficient of	rermemoninty	
0.1	5			1.75/5	17502	 		1150		$d_{100}: Cc$	mpression 100% Peter	Dial Readi mary Compi	ng	γ	$v = 1 \times 10^{\circ}$	(kg/cm):	Unit Weight	or water	
0	/	-	-	6.19-2	7/2/2 7/5-2	, ,		11260				nary Compi ng Method	- 88 IVII	r	$n = \frac{a}{1 + e}$	(cmf/kg):	Coefficient of	Volume Chai	ige ,

Table /28 RESULTS OF CONSOLIDATION TEST

		Projec	t	18.0	44 44	ing was a	,		Spec	ific Gravity o	Soil Partic	G =	2620	Solid Heig	ht 2Ho				
				,					Baitie	l Height of S	ipecimen.	2H1	=2.000 a	n 2Ho	= - W,	- = 	 1. 00 ×28. 3	= / -	CM CM
		Tester	No.	* \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\	106	ے ئے ۔	1.75	, ,	Dry 1	Weight of Spe	cimen -	W. =	827B	-	G≠y⊮A	26.31 X	1, 00 × 28. 7	30 .	
	``.	Conditi	on of Sam	plo sia.	disolo	a.	202-97		Section	neal lean	Spariman	A = 2	28.26cm ²	Void Ratio		_		a 40	
•	•		× 3×	pro suc.	70	7.			. 25011	one: Atten of	Specimen			e ==	$2H_1-2H$	<u> R</u>	$=\frac{2.000}{}$	- ,_\/,'	<u>R</u>
			,			Rard	<u></u>	* * *	·	. •		•			2 H o	2Ho		2.10	2 H o
,	Log	r't Fi	ting N	M ethod	,		, , , ,							=	6100 -	$-\frac{R}{2U}$	_= 2.000		
		3	cerrie v	At Colloca			ì		,	v •	•		•			2110			
<u> </u>	 -			[ļ-		Γ.		<u> </u>						;	٠	,	
1	P	$p_{=}$	ΔP	R	2H ^	He	·R	e	e=	Δe	Δe˙	ds	d100	tso	C.	a.	$a_{'ullet}$	k	m.
(kg/	(cm²)	(kg/cm²)	(kg/cm²)	(cm)	(cm)	(cm)	2Ho	:	,			(cm)	(cm)	(sec)	(cmf/sec)	(cm²/kg)	(cm²/kg)	(cm/sec)	(cm²/kg)
	0			G	- 1666	- 4	.0	1.090	,					•					
	•	0.05	0.1		``	0 23/1		<u></u>	c105	02111						1.1410			1.7.×.EZ
	0.1		-	00138	19762		00111	1 1579		<u> </u>									
<u> </u>		0.15	0.1	`	<u> </u>		-		19.79	0111	·	<u> </u>	 			100×0			1-: x1CZ
	0.2			00262	19:00	* *	00211	15570		-					. =		- 2	2) z = 5.P	~21 =1
<u> </u>		0.35	0.3		2 50	1:47.8			£ 5757'5	<u> </u>	CC13.5	191W	c 920	. 20	10000	3,72.	1 21.5°E	13.7.110	5 75 x 1/2
	0.5	0.75	0.5	00611	2122	2/2	col	SS91				03.05.00.00	ر بم رد.		/25	تبا ذهر الإسلام	11/2 1		1000 Fi
-	1.0	0.75	0.5		1 3 5	13/21			1521	10.71	CC (2)	- 33	C 31C		1.6 216.	13.7 X 4	17/ - 1.	<u> </u>	
 	1.0	1.50	1.0	1 5 916			C (2 =	155.7	15211	00	123	220	2.5	2.	21 12	634. 50	2	16 1. 15 1	19 ×1/1
-	2.0	1.00		012/5			1000	15015	2327	C	1607	<u> </u>	C		/_/		<u> </u>		
		3.50	3.0	2	76	0 236	حجدت	1-2	2000	cs.105	016	, y~,	2 7 777	1117	10:02	1500	1.19.13	1/1410	2012/0
	5.0			c 1 50	1.37.20			12110				<u> </u>	 						
		7.50	5.0		5	00000			1.1571	c c 586	00736	م پی نئوں م	1720	5:	154,62	11/81	نوس برازسر	556x165	(0)
1	0.0			C-3800	1500	1. 16	12016	1000	{				ł (*			1		 	
ļ	• • •	15.00	10.0			1 75/0	'		677.7	refee	coste	0 7760	1734	120	610x10	100 - 500	9.121	100	206:10
	0.0	<u> </u>	<u> </u>		1.750	1	9 11	17250	7	<u> </u>								- (1)	1111
	300		- · ·	03790	16216	1-211	0 7655	137.10	1 32/18	1 1.016	CC-21)	1	1/-			· ·	-702		Dit. × 1/2
	200	·				`\		<u> </u>		Remarks:		·		С	$_{\bullet} = \frac{0.197 \text{H}^2}{1.00}$	(cm/sec):	Coefficient of	Consolidation	. 1
	00		 	cx726	11271	1	44011		1			•		·	$\Delta = \frac{\Delta \Phi}{\Delta \Phi}$	(cm²/kg):	Coefficient of	Compressibili	ty
	50			c. 4/25	1375		7.2000			$\Delta e = \frac{a_1}{a_2}$	<u>u −ds</u> V	eriation of	Void Ratio		' - Ag'	(m² / kg)	Coefficient of to Primary Co	Compressibili	ty .
	20	A CONTRACTOR OF THE CONTRACTOR												L	_ Q.C.y	(om/sen)	to Primary Co Coefficient of	mpression	Į.
	2.5			7250					4			orrected Z		π	1 +6=	(u/. 3 \ .	Coefficient of	Permeability	.
	0.2	· , · · ·	7. 2 - 2 -	2096		100 2		20 74 cg	To the	d100 : C	goissarquo -:- 4 2001	Dial Readi mary Compr	ing ression				Unit Weight o		. 1
	0:1	- 0 1, -	 	02690		1 - 2		7830		, , b)	Log. Fitti	ng Method	Caston	, n	1.= 1 +e.	(cm/kg):	Coefficient of	vorume Chan	ic .
	0:	£., .	 	0200	1106	1		carre							······································				
	, es. 1	, , ,	ur	******	V		200		al , , , , ,		,	;			· · · · · · · · · · · · · · · · · · ·				

