TABLE I (CON'D)

TEST DATA SUMMARY
BRAYS BAYOU CHANNEL RECTIFICATION
SUMMARY OF IDENTIFICATION TESTS

BORING NO.	Elev.	DEPTH OR ELEV OF SAMPLE	LABORATORY CLASSIFICATION	MECHANICAL ANALYSIS: GRAVEL %	SAND %	FINES %	D_{10}	ATTERBERG LIMITS: LL	PL	SPECIFIC GRAVITY G	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS/CU FT	COMPACTION DATA: OPTIMUM WATER %	MAXIMUM DRY DENSITY LBS/CU FT	SHEAR DATA: INITIAL e	DRY DENSITY LBS/CU FT	W_i %	W_F %	S_i %	TYPE TEST	SPECIMEN SIZE INCHES	TEST	σ_{III} T/SQ FT	σ_I T/SQ FT	C T/SQ FT	Ø DEGREES	PERMEABILITY: e	K FT/MIN	CONSOLIDATION DATA: P_o T/SQ FT	P_c T/SQ FT	C_c	t_{50}*	REMARKS BLS
6ST-	61.2	0.0-	CL	0	30	70		37			17	106																					11
115		7.0		Brown to Gray Sandy Clay, stiff to hard, with roots																													
		7.0-	CH	0	21	79		51			18	105																					20
		9.0		Gray Sandy Clay, hard, calcareous																													
		9.0-	CL	0	21	79		41			15	114																					14
		17.0		Brown to Light Gray Sandy Clay, hard, calcareous concretions																													
		17.0-	CH	0	9	91		62			24	98																					20
		21.0		Rust to Light Gray Clay, hard, calcareous pockets																													
		21.0-	CL	0	15	85		40			18	107																					13
		30.0		Brown to Light Gray Clay, stiff to hard, calcareous nodules																													
		30.0-	CL	0	26	74		29			22	103																					7
		33.5		Rust to Light Gray Sandy Clay, firm, calcareous																													
		33.5-	CL	0	3	97		40			19	105																					14
	25.7	35.5		Rust Clay, hard, calcareous, crumbly																													
6ST-	63.2	0.0-	CL	0	16	84		42			23	101																					15
116		2.0		Black Clay, hard, with roots																													
		2.0-	CH	0	22	78		53			24	100																					18
		4.0		Gray Sandy Clay, hard, calcareous nodules																													
		4.0-	CL	0	27	73		39			13	109																					14
		16.0		Tan to Light Gray Sandy Clay, hard, calcareous concretions																													
		16.0-	CH	0	3	97		65			22	95																					23
		24.0		Light Gray to Rust Clay, hard, hackley																													
		24.0-	CL	0	23	77		34			18	110																					10
	28.2	35.0		Tan to Light Gray Sandy Clay, stiff to hard																													
6ST-	62.7	0.0-	CL	0	32	68		31			13	112																					9
117		12.0		Tan to Gray Sandy Clay, hard																													
		12.0-	SM	0	55	45					5	109																					
		14.0		Light Gray Silty Sand, hard																													
		14.0-	SM	0	80	20					28																						0
		25.0		Light Gray Silty Sand, soft, watery																													
		25.0-	SP	0	96	4					34																						0
		30.0		Brown Sand, soft, watery																													
		30.0-	CL	0	22	78		35			17	114																					11
	26.7	36.0		Brown to Light Gray Sandy Clay, stiff to hard, calcareous nodules																													
6ST-	64.1	0.0-	CL	0	28	72		36			18	110																					11
118		16.0		Tan to Light Gray Sandy Clay, stiff to hard, iron concretions																													
		16.0-	CL	0	47	53					19	109																					4
		17.5		Light Gray Sandy Clay, firm																													
		17.5-	SM	0	69	31					20	107																					0
		27.0		Light Gray Silty Sand, soft																													
		27.0-	CL	0	9	91		42			20	107																					15
	24.1	40.0		Rust to Light Gray Clay, hard, calcareous nodules																													
6ST-	62.8	0.0-	ML	0	32	78					11	84																					3
118A		2.0		Light Gray Sandy Silt, crumbly, with roots																													

* Values at Pressure T/SQ FT

- Triaxial Compression
UC - Unconfined Compression
DS - Direct Shear
UU - Unconsolidated Undrained
- Consolidated Drained
CU - Consolidated Undrained

BRAYS BAYOU
CHANNEL RECTIFICATION

TEST DATA SUMMARY

FEATURE LOG OF SOIL BORINGS

TABLE 1

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	D10	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
6ST-	57-	0.0										
11BA	3367		0	32	78	2.5	—		3.0	11.2	84.3	L, SaCl(CL-ML), Comb. w/Roots
		2.0										
	3368		0	12	88	3.4	54.4		19.5	25.0	94.3	B, Cl(CH), St. w/Roots
		4.0										
	3369		0	21	79	3.2	47.2		17.0	21.0	101.8	L-G, SaCl(CL), St-Hd Calc.Conc.
		6.0										
	3370		0	30	70	4.2	32.0		10.5	12.9	112.7	L, SaCl(CL), St., Calc. Nods
		8.0								657	1391	
	3371		0	30	70	4.5+	36.4		12.0	17.2	110.0	T-L, SaCl(CL), St-Hd Calc.Conc, Fe
		10.0										
	3372		0	20	80	3.5	40.4		14.0	20.0	103.4	T-L, SaCl(CL), Hd, Calc.Conc.Fe
		12.0					1088					
	3373					2.1				15.6	113.0	T-L, SaCl(CL), Hd, Calc.Conc.Fe
		14.0										
	3374		0	42	58	3.2	28.2		7.0	14.0	111.2	T-L, SaCl(CL), Hd. Calc.Conc.
		16.0		133			851			1337	1751	
	3375		0	16	84	1.6	28.2		6.0	20.7	103.6	L, Cl(CL), F, Calc.Conc.
		17.5										
	3376		0	39	61	1.3	—		3.0	19.7	104.5	Ru-L, SaCl(CL-ML), F, Calc.Conc.
		19.0										
	3377		0	36	64	1.2	28.7		6.0	19.3	105.8	Lt.Ru.L, SaCl(CL), F, Calc.Conc.
		20.5										
	3378		0	47	53	1.1	—		0.5	20.0	106.7	L, SaSi(ML), F.
		22.0										
	3379		0	9	91	4.5+	42.0		16.0	16.0	114.6	Lt.Br-L, Cl(CL), Hd
		23.5							5865			
	3380					4.5+	33.8		17	16.2	115.2	Lt.Br-L, Cl(CL), Hd
		24.5					46					
	3381		0	7	93	4.5+	49.4		18.5	19.6	108.7	Lt.Br-L, Cl(CL), Hd Calc
		26.5								1975		
	3382					4.0				21.7	105.1	Lt.Br-L, Cl(CL), Hd. Calc.
		28.5										
	3383		0	6	94	1.6	41.5		16.0	24.8	99.8	Ru-L, Cl(CL), Pl-St Calc.Conc.
		30.0										
	3384					2.5				21.9	104.8	Ru-L, Cl(CL), Pl-St Calc.Conc.
		31.5										
	3385		0	15	85	2.4	50.0		20.0	22.8	103.3	Ru-L, Cl(CH), F-Hd.
		33.0										
	3386					4.5				18.2	111.1	L-Ru, Cl(CL), Hd, Calc.Nod.
		35.0		16								
	3387		0	9	91	4.5+	40.9		16.0	18.9	110.5	L-Ru, Cl(CL), Hd, Calc.Conc
		37.0										
	3388					3.9				17.4	113.2	L-Ru, Cl(CL), Hd, Calc.Conc.
		40.0									1086 3	

BOTTOMED AT 40.0' in L-Ru, Cl(CL), Hd, Calc.Conc

DLR-627

*- Laboratory Penetrometer Readings

GD FORM 23 AUG.56 053-R

CHANNEL RECTIFICATION
BRAYS BAYOU

SUMMARY OF IDENTIFICATION TESTS ON SAMPLES FOR SHEAR AND CONSOLIDATION TESTS
HOUSTON, TEXAS

TABLE 1

ADDENDUM NO. 16

BORING NO	SAMPLE DEPTH FT	DISTRICT SERIAL NO	DENSITY DATA M. C., %	DENSITY DATA U.D.W. lbs/cu.ft.	SPECIFIC GRAVITY	ATTERBERG LIMITS L.L.	ATTERBERG LIMITS P.L.	ATTERBERG LIMITS P.I.	BAR L.S.	SIEVE ANALYSIS Gr.	SIEVE ANALYSIS Sa.	SIEVE ANALYSIS Fines	CLASSIFICATION
6ST-143	4.0- 6.0	57-3576	28.5	93.3	2.75	61.3	19.9	41.4	22.0	0	14	86	Lt Ru-L, Cl(CH), Hd, SL
6ST- 98	23.5-25.0	57-2669	19.1	109.9	--	31.2	20.7	10.5	6.0	0	32	68	Lt, SaCl(CL), Hd
6ST-109	13.0-15.0	57-2646	13.4	113.7	--	32.6	12.0	20.6	10.5	0	20	80	T-L, Cl(CL), Hd
6ST-111	24.0-26.0	57-3060	18.6	111.5	--	45.8	12.6	33.2	18.0	0	10	90	T-L, Cl(CL), Hd
6ST-118	9.0-11.0	57-3352	20.8	105.8	--	39.3	12.5	26.8	13.0	0	22	78	L, Cl(CL), Hd
6ST-125	11.5-13.5	57-3777	23.6	98.6	--	49.5	14.1	35.4	16.0	0	8	92	L-D, Cl(CL), St
6ST-137	27.5-29.5	57-3540	20.6	106.3	--	45.7	12.9	32.8	15.5	0	11	89	Ru-T-L, Cl(CL), v/st
6ST-143	2.0- 4.0	57-3575	26.8	94.6	--	56.2	18.8	37.4	20.0	0	9	91	G, Cl(CH), Hd
6ST-155	29.0-30.5	57-4095	24.2	94.1	--	60.3	16.1	44.2	23.0	0	6	94	T-L,Cl(CH), v/st. Calc
6ST-158	10.0-12.0	57-3819	18.8	109.9	--	34.8	11.3	23.5	11.0	0	40	60	T-L, SaCl(CL), St.
6ST-162	26.0-27.5	57-3913	24.4	105.9	--	49.5	13.1	36.4	19.0	0	9	91	T-L, Cl(CL), Hd, Sl

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CHANNEL RECTIFICATION
BRAYS BAYOU
SUMMARY OF DIRECT SHEAR TEST DATA
HOUSTON, TEXAS

TABLE 2

ADDENDUM NO. 16

BORING NO.	SAMPLE DEPTH FT.	DISTRICT SERIAL NO.	DENSITY DATA M. C., %	DENSITY DATA U.D.W.* lbs/cu.ft.	DIRECT SHEAR TEST DATA Maximum Ø	Maximum c.Tons/Sq.Ft.	Ultimate Ø	Ultimate c.Tons/Sq.Ft.
6ST-109	13.0-15.0	57-2646	11.1	107.6	27.49	.05	23.82	.05
6ST-143	2.0- 4.0	57-3575	25.1	92.7	16.4	.34	16.3	.16
6ST- 98	23.5-25.0	57-2669	18.5	105.5	34.17	.05	32.46	.05
6ST-111	24.0-26.0	57-3060	18.1	112.0	20.82	.70	15.05	.38
6ST-118	9.0-11.0	57-3352	19.9	104.7	18.43	.45	20.47	.10
6ST-125	11.5-13.5	57-3777	24.7	93.3	18.43	.25	18.43	.10
6ST-137	27.5-29.5	57.3540	20.7	102.3	27.23	.26	23.62	.12
6ST-155	29.0-30.5	57-4095	23.9	97.0	13.85	.55	14.00	.48
6ST-158	10.0-12.0	57-3819	17.5	110.0	21.13	.60	20.8	.40
6ST-162	26.0-27.5	57-3913	18.5	109.2	9.6	1.24	12.4	.60
6ST-143	2.0-4.0	57-3575	25.1	92.7	16.4	0.34	16.3	0.16

* Average of 3 specimens

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BRAYS BAYOU

CHANNEL RECTIFICATION

TEST DATA SUMMARY

FEATURE LOG OF SOIL BORINGS

TABLE 1

BORING NO.	SAMPLE NO.	DEPTH OR ELEV. OF SAMPLE	MECHANICAL ANALYSIS GRAVEL %	SAND %	FINES %	★	ATTERBERG LIMITS LL	PL	BAR L.S. %	NATURAL WATER CONTENT %	NATURAL DRY DENSITY LBS./CU.FT.	LABORATORY CLASSIFICATION
6ST-11B	57-	0.0								18		
	No Sample - Driller's Classification									8 145.8	109	B, SaCl(CL), Hd, Topsoil
		2.0									7 769.6	
	3348		0	30	70	—	36.9		12.0	21.4	—	L-G, SaCl(CL), Hd, Dry, Crumb.
		4.0										
	3349		0	30	70	4.0	35.1		11.0	14.7	110.8	T-L, SaCl(CL), Hd, Cal. Conc.
		6.0										
	3350					2.8				17.4	112.1	T-L, SaCl(CL), St-Hd, Fe Conc.
		8.0		4 113/28			4 143.5/36					
	3351					3.0				18.4	111.1	T-L, SaCl(CL), St-Hd Fe Conc
		9.0										
	3352		0	24	76	2.5	36.9		13.0	20.8	105.8	T-L, SaCl(CL), St-Hd Fe Conc
		11.0										
	3353					1.8				18.6	106.2	T-L, SaCl(CL), St-Hd Fe Conc
		12.5							43			
	3354					3.2				17.3	111.8	T-L, SaCl(CL), St-Hd Fe Conc
		14.0										
	3355		0	29	71	3.6	34.6		7.0	17.2	111.8	T-L, SaCl(CL), St, Calc. Lenses
		16.0										
	3356		0	47	53	1.6	—		4.0	19.2	108.7	L, SaCl(CL-ML), F
		17.5		0-0.63								
	3357		0	63	37	0.6	—		0.0	18.8	107.0	L, SiSa(SM), Slumped
		19.0		0-0.75						39.4		
	3358		0	75	25	—	—		0.0	20.6	—	T-L, SiSa(SM), So, Crumb.
		27.0										
	3359		0	12	88	4.1	46.7		18.0	22.2	107.0	T-L, Cl(CL), Hd, Cal. Conc.
		28.5										
	3360		0	10	90	4.5+	37.4		10.0	22.0	104.4	Rw-Br-L, Cl(CL), St-Hd, Fe.
		30.0										
	3361		0	12	88	2.8	36.9		11.5	22.6	103.3	Rw-Br-L, Cl(CL), St. Fe
		31.5										
	3362		0	6	94	3.6	43.3		16.0	19.4	109.0	Rw-L, Cl(CL), Hd, SL, Fe.
		33.0										
	3363		0	8	92	3.2	44.0		16.5	20.8	106.3	Lt-Br-L, Cl(CL), Hd, SL, Calc.
		34.5										
	3364		0	7	93	4.5+	41.4		17.0	19.2	106.9	L-Rw, Cl(CL), Hd, Calc. Nods
		36.5										
	3365			4 50/9		4.5+	4 49.7/41		4 89.0/15	18.7	111.9	L-Rw, Cl(CL), Hd, Calc. Nods
		38.0										
	3366					3.8				18.7	108.6	L-Rw, Cl(CL), Hd, Calc. Nods
		40.0								20		
										8 163.6	107 8 257.4	
		Bottomed @ 40.0' in L-Rw, Cl(CL), Hd, Calc. Nodules										
		Water level @ 18.0'										

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★ - Laboratory Penetrometer Readings

GD FORM 23 AUG. 66 053-R