CORPS OF ENGINEERS
District Soils Laboratory
Galveston, Texas

Soil Laboratory Report No. 349
Plate 13

SWDN-C-62

Project Channel to Liberty — LABORATORY LOG — Sheet No. 1 of 4 Sheets

Hole No. 6D - 4 Station Moss Bluff Offset _____ Date _____

Symbol	Depth in Feet	Elev. in Feet	M.C. % Dry Wt.	U.D.W. lbs./Cu. Ft.	L.L.	P.I.	Bar. L.S.	Sieve Analysis Gr.	Sieve Analysis Sa.	Sieve Analysis Fines	Classification	Field Sample No.
	0.0											
			21.7	-	Non-Plastic		1.0	0	33	67	Brown, SANDY SILT, ML, Soft	Jar 1
	5.0		25.1	-	41	21	12.5	0	14	86	Gray to Rust, CLAY CL, Plastic	Jar 2
	10.0		-	-	Non-Plastic		0.0	0	1-76 / 77	23	Tan, SILTY SAND, SM	Bag 1
			-	-	Non-Plastic		0.0	0	8-85 / 93	7	Tan, SAND, SP, Loose	Bag 2
	15.0		19.6	107	Non-Plastic		0.5	0	1-67 / 68	32	Gray to Tan, SILTY SAND, SM, Firm	D.B. 1
	20.0		20.1	-	Non-Plastic		0.0	0	3-93 / 96	4	Disturbed Tan, SAND, SP	D.B. 2 Bag 2

CORPS OF ENGINEERS
District Soils Laboratory
Galveston, Texas

Soil Laboratory Report No. 349
Plate 14

SWDN-C-62

Project Channel to Liberty — LABORATORY LOG — Sheet No. 2 of 4 Sheets

Hole No. 6D - 4 Station Moss Bluff Offset _____ Date _____

Symbol	Depth in Feet	Elev. in Feet	M.C. % Dry Wt.	U.D.W. lbs./Cu. Ft.	L.L.	P.I.	Bar. L.S.	Sieve Analysis Gr.	Sieve Analysis Sa.	Sieve Analysis Fines	Classification	Field Sample No.
	20.0											
	25.0										Tan, SAND, SP	Bag 2
			10.4	119	31	16	9.5	0	7	93		D.B. 3
	30.0										Light Gray to Blue CLAY, CL, Plastic	
			18.6	-	33	17	10.0	0	5	95		Jar 3
	35.0		22.9	-	46	26	15.0	0	6	94	Tan to Light Gray, CLAY, CL, Plastic	Jar 4
	40.0		25.0	-	43	26	15.0	0	3	97	Tan, CLAY, CL, Plastic	Jar 5

CORPS OF ENGINEERS
District Soils Laboratory
Galveston, Texas

Soil Laboratory Report No. 349
Plate 15

SWDN-C-62

Project Channel to Liberty — LABORATORY LOG — Sheet No. 3 of 4 Sheets

Hole No. 6D - 4 Station Moss Bluff Offset _____ Date _____

Symbol	Depth in Feet	Elev. in Feet	SUMMARY OF TEST RESULTS: M.C. % Dry Wt.	U.D.W. lbs./Cu. Ft.	L.L.	P.I.	Bar. L.S.	Sieve Analysis: Gr.	Sa.	Fines	Classification	Field Sample No.
	40.0											
											Tan, CLAY, CL, Plastic	Jar 5
					No Sample							
	45.0		24.5	-	33	15	9.0	0	2	98	Light Gray to Tan, CLAY, CL, Plastic	Jar 6
	50.0		32.6	-	84	52	25.0	0	3	97	Gray, CLAY, CH, Stiff	Jar 7
	55.0		22.6	-	41	25	14.5	0	14	86	Tan, CLAY, CL, Plastic	Jar 8
	60.0											

CORPS OF ENGINEERS
District Soils Laboratory
Galveston, Texas

Soil Laboratory Report No. 349
Plate 16

SWDN-C-62

Project Channel to Liberty — LABORATORY LOG — Sheet No. 4 of 4 Sheets

Hole No. 6D - 4 Station Moss Bluff Offset _____ Date _____

Symbol	Depth in Feet	Elev. in Feet	SUMMARY OF TEST RESULTS: M.C. % Dry Wt.	U.D.W. lbs./Cu. Ft.	L.L.	P.I.	Bar. L.S.	Sieve Analysis: Gr.	Sa.	Fines	Classification	Field Sample No.
	60.0											
	65.0		21.4	-	67	44	22.5	0	1	99	Tan, CLAY, CH, Stiff	Jar 9
	70.0		27.7	-	68	40	21.0	0	1	99		Jar 10
	75.0											
	80.0											

Texas Highway Department
Form 513 11-43-5m

Drilling Report and Log

Date Oct. 12, 1949

County Chambers Project No. 70-375 Report No. 1

Control 508-2 Highway No. 73 Stream Crossing Trinity chan.

Station No. 1196/26 Hole No. 6D-4 Location Left / Right

Ground Elevation 10.83 Ground Water Elevation Center X

Depth Below Ground From	To	FORMATION	Core Sample No.	Length of Core	REMARKS ~~Probable Specification Classification~~
0	4.5'	Black, waxy top soil			
4.5'	10.8'	Soft yellow clay (Friable)			
10.8'	13.2'	Medium firm gray clay			
13.2'	25.0'	Water bearing sand (Fine)			Wash
25.0'	28.3'	Water bearing sand (Coarse)			Wash
28.3'	30.3'	Firm blue clay			Auger
30.3'	35.0'	Hard tan and gray clay			Auger
35.0'	37.5'	Sand (Doubtful)			Fishtail
37.5'	39.0'	Hard tan and gray clay	2		Denison (Disturbed)
39.0'	41.0'	Hard tan and gray clay	2		Denison
41.0'	43.0'	Hard tan and gray clay °	3		Denison (Disturbed)
43.0'	45.0'	Hard tan and gray clay °	4		Denison (Disturbed)
45.0'	47.0'	Hard tan and gray clay °	5		Denison (Disturbed)
47.0'	49.0'	Hard tan and gray clay °	6		Denison (Disturbed)
49.0'	51.0'	Firm gray clay °	7		Denison (Disturbed)
51.0'	52.0'	Firm gray clay	8		Denison
53,0'	55.0'	Firm gray clay °	9		Denison (Disturbed)
55.0'	57.0'	Firm gray clay	10		Denison
57.0'	59.0'	Medium firm gray clay °	11		Denison (Disturbed)
59.0'	61.0'	Medium firm gray clay	12		Denison
61.0'	63.0'	Medium firm gray clay °	13		Denison (Disturbed)
63.0'	64.5'	Medium firm gray clay	14		Denison
64.5'	66.5'	Medium firm gray clay °	15		Denison (Disturbed)
66.5'	68.5'	Medium firm gray clay °	16		Denison (Disturbed)
68.5'	70.5'	Medium firm gray clay (Lost catch)	17		Denison

NOTE: The Probable Specification Classification depends on the type of project. Roadway Specifications classify excavation as Rock, Special or Common. Bridge Specifications classify excavation as Unclassified or as Common and Rock. Indicate above which classification appears to be applicable.

On Bridge Projects indicate material judged to be suitable for foundations, show characteristics, such as hard, firm or soft.

REMARKS:
°Transfered to new can at surface.

The above information is based on my personal observations and may or may not represent conditions contiguous to the holes drilled.

Signature R. C. McCalley Jr. Insp.
Title

O928-144-5m

Texas Highway Department
Form 513 11-43-5m

Drilling Report and Log

Date Oct. 12, 1949

County Chambers | Project No. | Report No. 1
Control | Highway No. 73 | Stream Crossing Trinity Chan.

Station No. 1196+26 | Hole No. 6D-4 | Location Left / Right / Center X
Ground Elevation 10.83 | Ground Water Elevation

Depth Below Ground From	To	FORMATION	Core Sample No.	Length of Core	REMARKS ~~Probable Specification Classification~~
70.5'	72.5'	Medium firm gray clay °	18		Denison (Disturbed)
72.5'	74.5'	Soft sandy silty clay plus organic matter	19		Denison
74.5'	76.5'	Sandy gray clay	20		Denison
76.5'	78.5'	Gray sand	21		Denison

NOTE: The Probable Specification Classification depends on the type of project. Roadway Specifications classify excavation as Rock, Special or Common. Bridge Specifications classify excavation as Unclassified or as Common and Rock. Indicate above which classification appears to be applicable.

On Bridge Projects indicate material judged to be suitable for foundations, show characteristics, such as hard, firm or soft.

REMARKS:
° Transferred to new can st surface

The above information is based on my personal observations and may or may not represent conditions contiguous to the holes drilled.

Signature L. C. McCelley Jr. Drop
Title

O928-144-5m