BKM

U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-46

LOCATION / STATION 250+00

DATE / TIME STARTED [illegible] [illegible] am
DATE / TIME COMPLETED [illegible] [illegible]

TIDE ELEVATION +2.[illegible] MLT DATUM

WATER DEPTH 5.50 -3.5

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING [illegible]

WEATHER Clear & Sunny

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER [illegible]
LOGGER Aris Lazaridis

DRILLER'S / LOGGER'S COMMENTS —

BORING NO. 90-46 DATE: BEGIN 06/17/90 COMPLETE 06/17/90
JOB NO. 146404 LOGGER Aris PAGE 2 / 3
PROJECT Victoria Ship Channel
LOCATION/STATION/ELEVATION: Sta. 250+00 / El. +2.00' MLT

DEPTH: AUGERED _____ WASHED 21.5' CORED _____

GROUNDWATER READINGS

TIME	DEPTH	TIME	DEPTH	TIME	DEPTH
FIRST					

DEPTH, FEET	SAMPLE	SAMPLE NO.	PEN./TORVANE SPT.-BLOW COUNT	CONSISTENCY	COLOR	MINOR	MAJOR	MODIFICATION
0		1	0.25	V/Soft	Gray	V/Silty	CLAY	—
	X	2	WOP	V/Loose	Gray	Clayey	SILT	—
5	X	3	WOP	"	"	"	SAND	-w/silt & shells
	X	4	WOP	"	"	"	"	"
	X	5	WOP	V/Loose	Gray	V/Silty	CLAY	-w/shells
10	X	6	WOP	"	"	"	"	"
	X	7	WOP	"	"	Sandy	"	"
		8	1.50	Stiff		Silty	"	-w/sand pockets & shells
15	X	9	WOP	V/Loose	Gray	Clayey	SAND	-w/shells
20	X	10	5/4/4	Loose	Light Gray		"	—
								Bottom of Boring
25								

CONTNUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-46

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	M c (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	LL (%)	PL (%)	Mechanical Analysis % Passing					Torvane Shear Strength (tsf)	q u (tsf)
											#4	#10	#40	#100	#200		
1	0 - 2	0.00		Dark gray, SANDY CLAY, very soft, with shell fragments	CL	43.1			21	13							
2	2 - 3.5		WOP	Gray, CLAYEY SAND, very loose, with shell fragments	SC	32.6					99.2	98.2	95.3	58.2	31.1		
3	4 - 5.5		WOP	Gray, CLAYEY SAND, very loose, with shell fragments	SC	35.4											
4	6 - 7.5		WOP	Gray, CLAYEY SAND, very loose, with shell fragments	SC	34.7					98.1	96.9	94.9	60.8	36.9		
5	8 - 9.5		WOP	Gray, CLAYEY SAND, very loose, with shell fragments	SC	41.6											
6	10 - 11.5		WOP	Gray, CLAYEY SAND, very loose, with shell fragments	SC	40.1			28	16	100.0	99.4	97.0	66.5	42.1		
7	12 - 13.5		WOP	Gray and brownish yellow, CLAYEY SAND, very loose, with calcareous nodules and shell fragments	SC	32.0											
8	14 - 16	0.50		Gray & brownish yellow, SANDY CLAY, firm, with sand seams, shell fragments and clacareous nodules	CL	29.6	89.6	116.2	43								
9	16 - 17.5		WOP	Gray, SILTY SAND, fine, very loose, with shell fragments	S M	28.3											
10	20 -21.5		8	Gray and yellowish, SILTY SAND, fine, loose, with silt and shell fragments	S M	23.6					98.5	97.4	95.6	46.4	19.7		

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classification, M c : Moisture Content
q u : Unconfined Compressive Strength, W O H : Weight of hammer, W O P : Weight of pipe