U.S. ARMY CORPS OF ENGINEERS
GEOTECHNICAL BORING DATA

BKM

PROJECT NAME Victoria Ship Channel

LOG OF BORING NO. 90-45

LOCATION / STATION 235+00

DATE / TIME STARTED 2 9:00 am
DATE / TIME COMPLETED " " 10:00 "

TIDE ELEVATION + 2.00' MLT DATUM

WATER DEPTH 2.25' -2.25

DEPTH FROM WATER SURFACE
TO BOTTOM OF BORING 27.25'

WEATHER Cloudy & Windy

DRILL RIG MANUFACTURE
MODEL NO. CF-5

DRILLER Dempsey Green
LOGGER Aris Lazanidis

DRILLER'S / LOGGER'S COMMENTS —

BORING NO. 90-45 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. 235+00 / El. +2.00 MLT

DEPTH: AUGERED _____ WASHED 23' 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	0.0	V/Soft	Gray	Silty	CLAY	-w/ sand, disturbed sample [illegible]
		2	0.25	V/Soft	//	V/Silty	//	-w/ sand
5		3	WOH	V/Loose	Gray	Clayey	SILT	-w/ fine sand & [illegible]
		4	WOH	//	//	//	//	//
		5	WOH	//	//	//	//	//
10		6	WOH	//	//	//	//	//
		7	WOH	//	//	//	SAND	-w/ silt & [illegible]
15		8	1.00	Firm	Gray	Sly/Silty	CLAY	-w/ L/gray sand layer below 15.5'
		9	0.25	//	Gray & Tan		//	-w/ L/gray sand & tan sandy layers
20		10	2 3/4	Loose	Gray & Tan	Clayey	SAND	-w/ sandy clay & [illegible]
		11	4 3/4	//	L/Gray		//	-w/ [illegible]
25								Bottom of Boring

CONTNUED: ☐ YES ☒ NO

Project : CHANNEL TO VICTORIA
VICTORIA, TEXAS

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 90-45

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)	L L (%)	P L (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0 - 2			Dark gray, CLAYEY SAND, very loose, with silt and shell fragments	S C	36.0											
2	2 - 4	0.00		Dark gray, CLAYEY SAND, very loose, with silt and shell fragments	S M-S C	39.9	80.3	112.3	19	12	99.7	99.2	97.8	61.0	30.5	0.04	
3	4 - 5.5		WOH	Brown and dark gray, CLAYEY SAND, very loose, with silt and shell fragments	S C	37.0											
4	6 - 7.5		WOH	Dark gray, CLAYEY SAND, very loose, with silt, shell fragments and pebbles	S C	31.5					99.5	98.5	96.8	57.8	29.0		
5	8 - 9.5		WOH	Dark gray, CLAYEY SAND, very loose, with silt and shell fragments	S C	30.3											
6	10 - 11.5		WOH	Brown and dark gray, SANDY CLAY, very soft, with sand and shell fragments	C L	33.4											
7	12 - 13.5		WOH	Brown and dark gray, SANDY CLAY, very soft, with sand and shell fragments	C L	33.3					99.2	97.4	94.7	67.6	51.6		
8	14 - 16	0.50		Dark gray and bluish green, CLAY, firm, with silt, sand, and calcareous nodules	C H	34.8	91.2	112.9	54								
9	16 - 18	0.75		Dark gray and bluish green, SANDY CLAY, firm, with ferrous seams and calcareous nodules	C L	28.5											
10	18 - 19.5		7	Dark gray and bluish green, SANDY CLAY, firm, with calcareous nodules	C L	28.7					99.4	99.2	97.8	66.0	59.8		
11	21.5 - 23		7	Brown and dark gray, SANDY CLAY, firm, with shell fragments	C L	26.1											

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