West end of BUS "J" ± STA 840+000 Sheet J-2

Project: Aransas National Wildlife Refuge along the Gulf Intracoastal Waterway at Aransas National Wildlife Refuge and Welder Flats
Contract No. DACW64-94-C-0052

SUMMARY OF LABORATORY TEST RESULTS

Boring No. 94-140

S #	Depth (ft)	P P (tsf)	SPT Blows per Foot	Visual Classification	U S C	Mc (%)	Dry Unit Wt (pcf)	Wet Unit Wt (pcf)	L L (%)	PL (%)	Mechanical Analysis % Passing #4	#10	#40	#100	#200	Torvane Shear Strength (tsf)	q u (tsf)
1	0-1.5		W.O.H	Gray,Sand,Very loose,Silty,w/shell fragments	S M												
2	2-4	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	C L	53.8	68.9	106.0	48.0	20.0	100.0	99.8	99.4	95.4	73.4	0.08	0.19
3	4 - 6	0.00		Gray,Clay,Very soft,w/shell fragments	C H	69.4	59.3	100.5	67.0	25.0						0.07	
4	6 - 8	0.00		Gray,Clay,Very soft,Sandy,w/shell fragments	C L	36.0	82.9	112.7	31.0	16.0	96.8*	88.4*	76.8*	68.9	51.5	0.10	0.21
5	8-9.5		24	Gray,Sand,Medium dense,Silty	S M												
6	13-14.5		34	Gray,Sand,Dense,Silty	S M						100.0	100.0	100.0	99.1	13.2		
7	18-19.5		15	Gray,Sand,Medium dense,Silty	S M						100.0	100.0	99.8	99.5	18.4		
8	23-24.5		20	Gray,Sand,Medium dense,Silty,w/shell fragments	S M						99.6	99.5	99.3	97.9	19.7		
9	28-29.5		33	Gray,Sand,Dense,Silty,w/shell fragments	S M												
10	33-34.5		22/ 50-3"	Gray,Sand,Very dense,Silty,w/shell fragments	S M						99.6	99.2	97.7	89.6	28.8		
11	38-39.5		33	Gray,Sand,Dense,Silty,w/shell fragments	S M												
12	43-44.5		28	Gray,Sand,Medium dense,Silty,w/shell fragments	S M						96.6*	95.1*	94.1*	88.0	32.9		
13	47.5-49		31	Gray,Sand,Dense,Silty	S M												

S # : Sample Number, P P : Pocket Penetrometer Reading, U S C : Unified Soil Classifcation, M c : Moisture Content
q u : Uncogined Compressive Strength, W O H : Weight of hammer, W O P : Weight of Pipe
* : Material retained are shell fragments