Project No.: 03.14.859.054

Client: United States Army Corps of Engineers

Project: Beltway 8 PA Lab Testing
Contract No. DACW64-03-D-0008, Delivery Order No. 0054

Boring No.	Sample No.	Soil Description	USCS	Water Content (%)	Dry Density (pcf)	Liquid Limit	Plastic Limit	Plast. Index	Finer than #200 Sieve (%)	Uc/UU. Compr. (tsf)	Cell Press. (psi)	Failure Strain (%)	Failure Type
06-10													
	2	Gray and tan FAT CLAY with SAND; traces of ferrous nodules and roots	CH	22.3		58	21	37	78.6				
	4	Gray and tan FAT CLAY; some calcareous nodules and few ferrous nodules	CH	14.1									
	6	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	22.7									
	8	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	30.9		83	25	58	99.8				
	10	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	35.4									
06-11													
	2	Gray and tan FAT CLAY; traces of ferrous nodules	CH	21.0									
	3	Gray and tan LEAN CLAY with SAND; traces of ferrous and calcareous nodules	CL	14.1		41	19	22	71.4				
	4	Gray and tan LEAN CLAY; traces of ferrous and calcareous nodules	CL	18.2									
	5	Gray and tan FAT CLAY; few ferrous and calcareous nodules	CH	25.8									
06-12													
	2	Brown and gray SANDY LEAN CLAY; sand pockets and traces of ferrous nodules	CL	14.6	112.7	36	16	20	68.0	2.22	21	3.4	60 Degree shear
	3	Tan SANDY LEAN CLAY	CL	15.7	110.3	42	20	22	64.7				
	5	Gray and tan FAT CLAY; traces of ferrous nodules and few calcareous nodules	CH	23.1									
	7	Gray and tan FAT CLAY; traces of ferrous nodules	CH	28.2									
	9	Gray and tan FAT CLAY; traces of ferrous nodules	CH	33.4									
	11	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules	CH	35.1									
	13	Gray and reddish-brown FAT CLAY; traces of ferrous and calcareous nodules	CH	27.5									
06-13													
	1	Gray and reddish-brown FAT CLAY; traces of ferrous and calcareous nodules	CH	27.7									
	2	Gray and brown SANDY LEAN CLAY; sand pockets, traces of ferrous nodules	CL	14.2									
	3	Gray and tan SANDY FAT CLAY; traces of ferrous nodules	CH	15.8									
	4	Gray and tan FAT CLAY; traces of ferrous and calcareous nodules, sand seams	CH	31.1		79	35	44	88.5				
	5	Gray and tan FAT CLAY; vertical sand seams, traces of ferrous and calcareous nodules	CH	24.9									

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