

PROJECT: FRA-70-14.48				DRILLING FIRM / OPERATOR: DLZ / K. CONRAD				DRILL RIG: CME 75 TRUCK				STATION / OFFSET: 209+10 / 46.85' LT								EXPLORATION ID				
TYPE: ROADWAY				SAMPLING FIRM / LOGGER: DLZ / M. EVENER				HAMMER: CME AUTOMATIC				ALIGNMENT: BL I-70 WB								B-037-1-10				
PID: 77370 BR ID:				DRILLING METHOD: 3.25" HSA				CALIBRATION DATE: 1/7/10				ELEVATION: 745.5 (MSL) EOB: 65.0 ft.								PAGE				
START: 8/1/11 END: 8/2/11				SAMPLING METHOD: SPT				ENERGY RATIO (%): 79				COORD: 712089.400 N, 1830303.100 E								1 OF 2				
MATERIAL DESCRIPTION AND NOTES				ELEV.	DEPTHS		SPT/RQD	N <sub>60</sub>	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG				ODOT CLASS (GI)	HOLE SEALED		
Asphalt - 7" Concrete = 10"				745.5								GR	CS	FS	SI	CL	LL	PL	PI	WC				
Hard gray SILT AND CLAY (A-6a), some fine to coarse sand, trace gravel; damp.				744.1	1		4	7	17	56	SS-1	4.5+	-	-	-	-	-	-	-	10	A-6a (V)			
					2		12	8			SS-2	4.5+	-	-	-	-	-	-	-	9	A-6a (V)			
					3																			
					4		12	8	26	100	SS-2	4.5+	-	-	-	-	-	-	-	9	A-6a (V)			
					5																			
					6		8	11	28	44	SS-3	4.5+	7	11	20	33	29	25	14	11	10	A-6a (6)		
					7			10																
					8																			
					9		6	5	18	78	SS-4	4.5+	-	-	-	-	-	-	-	11	A-6a (V)			
					10			9																
					11		16																	
					12		18	19	49	11	SS-5	4.5+	-	-	-	-	-	-	-	9	A-6a (V)			
					13																			
Hard gray SANDY SILT (A-4a), some fine to coarse sand, little gravel; damp.				732.0	14		10	10	32	100	SS-6	4.5+	11	10	21	35	23	22	14	8	10	A-4a (5)		
					15			14																
					16		10	23																
					17			20	57	100	SS-7	4.5+	-	-	-	-	-	-	-	10	A-4a (V)			
					18																			
Dense gray FINE SAND (A-3), trace silt; wet.				727.0	19		9	14	41	56	SS-8	-	-	-	-	-	-	-	-	15	A-3 (V)			
					20			17																
					21		5	15	33	100	SS-9	4.5+	18	16	23	26	17	20	13	7	8	A-4a (2)		
					22			10																
					23																			
					24		4	12	37	100	SS-10	4.5+	-	-	-	-	-	-	-	9	A-4a (V)			
					25			16																
					26																			
					27		10	19	46	78	SS-11	4.5+	-	-	-	-	-	-	-	8	A-4a (V)			
					28			16																
Medium dense gray GRAVEL WITH SAND (A-1-b), trace silt; wet.				717.0	29		3	8	28	72	SS-12	-	38	29	26	-	7	-	NP	NP	NP	13	A-1-b (0)	
					30			13																
					31																			
Hard gray SANDY SILT (A-4a), some to "and" fine to coarse sand, little gravel; damp.				714.5	32		10	16	45	78	SS-13	4.5+	-	-	-	-	-	-	-	9	A-4a (V)			
					33			18																
					34		10	16	49	100	SS-14	4.5+	-	-	-	-	-	-	-	10	A-4a (V)			
					35			21																
					36																			
					37		8	14	40	100	SS-15	4.5+	12	14	23	30	21	20	14	6	10	A-4a (3)		
					38			16																
					39		10	14	43	100	SS-16	4.5+	-	-	-	-	-	-	-	9	A-4a (V)			
					40			19																
					41																			
					42																			
					43																			
					44		10	17	50	100	SS-17	4.5+	-	-	-	-	-	-	-	9	A-4a (V)			
					45			21																
					46																			
					47																			
					48																			
					49		12	32	83	100	SS-18A	4.5+	-	-	-	-	-	-	-	9	A-4a (V)			
Very dense gray GRAVEL (A-1-a), "and" fine to coarse sand, trace silt; wet.				696.2	50			31		-	SS-18B	-	56	28	13	-	3	-	NP	NP	NP	10	A-1-a (0)	
					51																			
					52																			
					53																			
					54		26	32	76	100	SS-19	-	-	-	-	-	-	-	-	8	A-1-a (V)			
					55			26																
					56																			
					57																			
					58																			
@ 53.5', 3.0 feet sand heave; washed out with tricone.					59		21	43	107	100	SS-20	-	-	-	-	-	-	-	-	10	A-1-a (V)			
								38																