

	PROJECT: FRA-70-14.05 PROJECT 4B		DRILLING FIRM / OPERATOR: RII / M.W.		DRILL RIG: CME 55 (SN 386345)		STATION / OFFSET: 203+36.15 / 47.7" RT				EXPLORATION ID B-033-3-15											
	TYPE: ROADWAY		SAMPLING FIRM / LOGGER: RII / N.A.		HAMMER: CME AUTOMATIC		ALIGNMENT: BL CONST. I-70 EB															
	PID: 96053 BR ID: NA		DRILLING METHOD: 3.25" - HSA		CALIBRATION DATE: 10/20/14		ELEVATION: 731.2 (MSL) EOB: 69.0 ft.				PAGE 1 OF 2											
	START: 10/7/15 END: 10/7/15		SAMPLING METHOD: SPT		ENERGY RATIO (%): 92		COORD: 39.953302, -82.994869															
MATERIAL DESCRIPTION AND NOTES			ELEV.	DEPTHS		SPT/ RQD	N <sub>60</sub>	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	BACK FILL	
0.3' - TOPSOIL (3.0")			731.2																			
VERY STIFF, BROWN SANDY SILT, SOME CLAY, LITTLE FINE GRAVEL, DAMP.			730.9			6	10	24	94	SS-1	4.00	-	-	-	-	-	-	-	10	A-4a (V)		
-ORGANICS PRESENT IN SS-1																						
DENSE, BROWN COARSE AND FINE SAND, LITTLE FINE GRAVEL, TRACE SILT, TRACE CLAY, DAMP.			728.2			11	15	47	78	SS-2	-	11	29	48	9	3	NP	NP	NP	4	A-3a (0)	
						16																
DENSE TO VERY DENSE, BROWN AND BROWNISH GRAY GRAVEL AND SAND, TRACE TO LITTLE SILT, TRACE CLAY, MOIST.			725.7			11	15	51	100	SS-3	-	-	-	-	-	-	-	-	7	A-1-b (V)		
-SS-3 SULFATE CONTENT = 87 PPM						19																
						17	17	51	100	SS-4	-	34	30	26	7	3	NP	NP	NP	7	A-1-b (0)	
						3	17	56	100	SS-5	-	-	-	-	-	-	-	-	13	A-1-b (V)		
						20																
						12	15	50	100	SS-6	-	-	-	-	-	-	-	-	13	A-1-b (V)		
						18																
						11	17	57	100	SS-7	-	35	33	19	11	2	NP	NP	NP	14	A-1-b (0)	
-HEAVING SANDS ENCOUNTERED @ 18.5'						21																
-INTRODUCED MUD @ 18.5'						19	20	74	100	SS-8	-	-	-	-	-	-	-	-	12	A-1-b (V)		
						29																
						23	23	77	100	SS-9	-	23	29	33	13	2	NP	NP	NP	12	A-1-b (0)	
						28																
						21	28	83	78	SS-10A	-	-	-	-	-	-	-	-	10	A-1-b (V)		
HARD, GRAY SILT, SOME COARSE TO FINE SAND, TRACE FINE GRAVEL, DAMP TO MOIST.			701.5			27				SS-10B	4.5+	-	-	-	-	-	-	-	10	A-4b (V)		
						29	30	107	100	SS-11	4.50	3	5	22	59	11	19	11	8	13	A-4b (7)	
						41																
			694.2			13	39	123	100	SS-12	-	-	-	-	-	-	-	-	16	A-1-b (V)		
						43																
						20	34	104	83	SS-13	-	42	39	12	6	1	NP	NP	NP	11	A-1-b (0)	
						35																