


RESOURCE INTERNATIONAL, INC.																										
	PROJECT: FRA-70-14.05 PROJECT 4B				DRILLING FIRM / OPERATOR: RII / S.B.				DRILL RIG: CME 750X (SN 310218)				STATION / OFFSET: 202+00.30 / 84.3" LT				EXPLORATION ID B-033-2-15		PAGE 1 OF 2							
	TYPE: ROADWAY				SAMPLING FIRM / LOGGER: RII / C.D.				HAMMER: CME AUTOMATIC				ALIGNMENT: BL CONST. I-70 WB													
	PID: 96053		BR ID: NA		DRILLING METHOD: 3.25" - HSA				CALIBRATION DATE: 10/20/14				ELEVATION: 751.6 (MSL)		EOB: 70.0 ft.											
	START: 10/1/15		END: 10/2/15		SAMPLING METHOD: SPT				ENERGY RATIO (%): 85.7				COORD: 39.953812, -82.995473													
MATERIAL DESCRIPTION AND NOTES					ELEV.	DEPTHS		SPT/ RQD	N ₆₀	REC (%)	SAMPLE ID	HP (tsf)	GRADATION (%)					ATTERBERG			WC	ODOT CLASS (GI)	BACK FILL			
0.3' - ASPHALT (4.0")					751.3									GR	CS	FS	SI	CL	LL	PL	PI					
0.7' - CONCRETE (8.0")					750.6	1																				
0.5' - AGGREGATE BASE (6.0")					750.1	2	3	4	10	0	SS-1	-	-	-	-	-	-	-	-	-	-	-	-			
MEDIUM STIFF, DARK BROWN SILT AND CLAY , LITTLE COARSE TO FINE SAND, TRACE FINE GRAVEL, MOIST.					746.1	3	4				SS-1A	1.00	-	-	-	-	-	-	-	-	-	19	A-6a (V)			
						4	3	4	13	0	SS-2	-	-	-	-	-	-	-	-	-	-	-	-			
						5	6				SS-2A	1.00	-	-	-	-	-	-	-	-	-	-	-	23	A-6a (V)	
						6	2	3	3	9	100	SS-3	1.75	6	9	27	26	32	35	16	19	15	A-6b (8)			
STIFF TO HARD, DARK BROWN SILTY CLAY , "AND" COARSE TO FINE SAND, TRACE FINE GRAVEL, DAMP.					739.1	7																				
						8																				
						9	3	6	8	20	100	SS-4	4.5+	-	-	-	-	-	-	-	-	-	13	A-6b (V)		
						10																				
-COBBLES PRESENT @ 10.5'					729.6	11	50/5"			0	SS-5	-	-	-	-	-	-	-	-	-	-	-				
VERY STIFF TO HARD, GRAY SANDY SILT , SOME CLAY, LITTLE FINE GRAVEL, DAMP.						12																				
						13																				
						14	8	14	14	40	100	SS-6	4.5+	11	11	20	35	23	23	14	9	9	A-4a (5)			
					DENSE TO VERY DENSE, BROWN GRAVEL AND SAND , TRACE SILT, TRACE CLAY, DAMP TO MOIST.					712.1	15															
16																										
17	21	27	40	96							0	SS-7	-	-	-	-	-	-	-	-	-	-	-			
18	21										100	SS-7A	4.00	-	-	-	-	-	-	-	-	-	10	A-4a (V)		
-SS-10: SULFATE CONTENT = 7,493 PPM					709.6	19	8	14	20	49	100	SS-8	4.5+	12	12	20	35	21	21	14	7	9	A-4a (4)			
						20																				
						21																				
						22																				
-HEAVING SANDS ENCOUNTERED @ 38.5'					704.6	23																				
						24	12	22	37	84	100	SS-9	-	-	-	-	-	-	-	-	-	-	7	A-1-b (V)		
						25																				
						26																				
-INTRODUCED WATER @ 38.5'					700.6	27																				
						28																				
						29	17	29	30	84	100	SS-10	-	29	37	22	8	4	NP	NP	NP	13	A-1-b (0)			
						30																				
VERY DENSE, BROWN FINE SAND , TRACE COARSE SAND, TRACE SILT, WET.					700.6	31																				
						32																				
						33																				
						34	4	8	18	37	100	SS-11	-	-	-	-	-	-	-	-	-	-	11	A-1-b (V)		
HARD, GRAY SANDY SILT , LITTLE CLAY, LITTLE FINE GRAVEL, MOIST.					701.9	35																				
						36																				
						37																				
						38																				
VERY DENSE, GRAY FINE SAND , TRACE COARSE SAND, TRACE SILT, WET.					701.9	39	17	34	50/2"	-	86	SS-12A	-	34	35	21	7	3	NP	NP	NP	11	A-1-b (0)			
						40						SS-12B	-	-	-	-	-	-	-	-	-	-	22	A-3 (V)		
						41																				
						42																				
HARD, GRAY SANDY SILT , LITTLE CLAY, TRACE FINE GRAVEL, DAMP.					699.6	43																				
						44	21	28	45	104	33	SS-13	4.5+	11	9	22	42	16	19	14	5	12	A-4a (5)			
						45																				
						46																				
VERY DENSE, GRAY FINE SAND , TRACE COARSE SAND, TRACE SILT, WET.					701.9	47																				
						48																				
						49	9	21	44	93	100	SS-14A	-	-	-	-	-	-	-	-	-	-	21	A-3 (V)		
						50						SS-14B	4.5+	-	-	-	-	-	-	-	-	-	9	A-4a (V)		
HARD, GRAY SANDY SILT , LITTLE CLAY, TRACE FINE GRAVEL, DAMP.					699.6	51																				
						52																				
						53																				
						54	50/0"					SS-15 RC	-	-	-	-	-	-	-	-	-	-	-			
-AUGER REFUSAL @ 53.5'. SWITCHED TO ROCK CORING @ 53.5' AND CORED TO 55.5'. RECOVERED 6.0" GRANITE BOULDER. SWITCHED BACK TO AUGERING AND SPLIT SPOON SAMPLING.					699.6	55	26			26												CORE				
						56																				
						57																				
						58																				
					699.6	59	30	39	50/1"	-	100	SS-16	-	32	29	26	9	4	NP	NP	NP	11	A-1-b (0)			
						60																				