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### BORING LOG 2081-B-05

WEI Job No.: 1100-04-01

Client: **AECOM**  
Project: **Circle Interchange Reconstruction**  
Location: **Sections 16 and 17, T39N, R14E of 3rd PM**

Datum: NAVD 88  
Elevation: 576.47 ft  
North: 1897894.07 ft  
East: 1171080.41 ft  
Station: 3834+53.70  
Offset: 44.26 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
576.06	6-inch thick, ASPHALT --PAVEMENT--												
575.1	10-inch thick, CONCRETE --PAVEMENT--												
573.2	5-inch thick, CRUSHED STONE --BASE COURSE--												
	Hard, brown SILTY CLAY LOAM, trace gravel --FILL--		1	9 5 5	4.00 P	19	548.5	Medium dense, gray SANDY LOAM, some gravel	30	11	0 2 3	0.49 B	26
	Medium stiff to very stiff, gray SILTY CLAY LOAM, trace gravel --L <sub>c</sub> (%)=30, P <sub>L</sub> (%)=15-- --%Gravel=5.9-- --%Sand=17.2-- --%Silt=51.1-- --%Clay=25.8-- --A-6 (9)--		2	3 4 4	2.30 B	18				12	4 5 5	NP	14
			3	2 2 4	0.90 B	20	544.7	Soft, gray SILTY CLAY LOAM, trace gravel and silt layers --L <sub>c</sub> (%)=28, P <sub>L</sub> (%)=14-- --%Gravel=4.9-- --%Sand=18.9-- --%Silt=54.4-- --%Clay=21.9-- --A-6 (8)--		13	3 3 4	0.25 B	20
			4	2 3 4	0.90 B	19				14	4 5 12	2.95 B	21
			5	3 3 5	1.89 B	18	539.7	Very stiff to hard, gray SILTY CLAY, trace gravel --L <sub>c</sub> (%)=36, P <sub>L</sub> (%)=16-- --%Gravel=2.7-- --%Sand=8.6-- --%Silt=49.7-- --%Clay=39.0-- --A-6 (17)--		15	5 8 11	3.94 B	14
			6	2 3 3	0.74 B	20				16	6 8 14	4.54 B	19
			7	2 2 2	0.66 B	23							
			8	1 1 2	0.25 B	26							
			9	0 1 1	0.25 B	26							
			10	0 0 2	0.25 B	25							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	03-26-2013	Complete Drilling	03-26-2013	While Drilling	DRY		
Drilling Contractor	Wang Testing Services	Drill Rig	D-50 TMR	At Completion of Drilling	DRY		
Driller	R&T	Logger	D. Kolpacki	Time After Drilling	NA		
Checked by	C. Marin	Drilling Method	2.25" SSA to 10', Mud Rotary 10' thereafter, boring	Depth to Water	NA		
			backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



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524.7	Very stiff, gray CLAY, some SILT layers						499.7	Very dense, gray SILTY LOAM, trace gravel					
			17	3 4 5	2.05 B	28				22	38 50/4*	NP	20
			18	6 9 18	3.44 B	17				23	50/5*	NP	13
			19	11 18 30	9.85 B	15							
			20	19 24 24	3.44 S	20							
			21	14 25 37	9.84 S	21							
							490.5	Strong, good rock quality, light gray, fresh, slightly fractured, vertical and horizontal breaks, joint breaks with little to no infill, slightly vuggy DOLOSTONE Run 1 = 86' to 91' --RECOVERY=100% --RQD=77% <sup>90</sup>					
								Run 2 = 91' to 96' --RECOVERY=100% --RQD=84%					
								ROCK MASS RATING: Strength of rock material = 12 Drill core quality RQD = 17 Spacing of joints = 10 Condition of joints = 20 Groundwater condition = 10 Boring terminated at 96.00 ft					

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Driller	R&T	Logger	D. Kolpacki	Time After Drilling	NA		
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			backfilled upon completion	The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



USER NAME = jlvuorenmaa	DESIGNED - MTS	REVISED
PLOT SCALE = 0:1.0000 ' = 1/8" in.	CHECKED - KAH	REVISED
PLOT DATE = 8/18/2013	DRAWN - RLS	REVISED
	CHECKED - KAH	REVISED

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOGS 6  
STRUCTURE NO. 016-1716

SHEET NO. S2-80 OF S2-81 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3730	2013-008R	COOK	559	440
CONTRACT NO.			60W26	
ILLINOIS FED. AID PROJECT				