

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
578.1	1-inch thick brown SILTY LOAM --TOPSOIL-- Very loose to loose, brown and gray to gray LOAM, trace gravel --FILL--	1	4	NP	4			578.1	--In-Situ Vane Shear, 25.5 feet-- --Su undis = 1243.2 psf-- --Su remold = 725.2 psf-- --Sensitivity = 1.714--	1	4	NP	4		
		2	2	NP	2				--LL(%)=35, PL(%)=17-- --%Gravel=2.6-- --%Sand=9.8-- --%Silt=46.6-- --%Clay=41.0-30-- --A-6 (15)--	2	2	NP	2		
570.2	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel	3	1	P	1			570.2	--In-Situ Vane Shear, 30.5 feet-- --Su undis = 2481.6 psf-- --Su remold = 1085.7 psf-- --Sensitivity = 2.29--	3	1	P	1		
		4	1	B	1	0.41			--In-Situ Vane Shear, 35.5 feet-- --Su undis = 1964.6 psf-- --Su remold = 1344.2 psf-- --Sensitivity = 1.46--	4	1	B	1	0.41	
		5	0	B	0	0.49		538.5	Stiff to very stiff, gray SILTY CLAY, trace gravel	5	0	B	0	0.49	
		6	1	B	1	0.49				6	1	B	1	0.49	
		7	0	B	0	0.16				7	0	B	0	0.16	
		8	0	B	0	0.25				8	0	B	0	0.25	
		9	1	B	1	0.41		529.0	Very stiff, gray CLAY, trace gravel	9	1	B	1	0.41	
		10	2	B	2	0.49			--LL(%)=37, PL(%)=18-- --%Gravel=0.6-- --%Sand=3.6-50--	10	2	B	2	0.49	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-13-2013	Complete Drilling	08-15-2013	White Drilling	73.50 ft		
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR	At Completion of Drilling	NA		
Driller	R&J	Logger	A. Tomaras	Checked by	C. Marin		
Drilling Method	3.25" HSA, boring backfilled upon completion			Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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524.0	Very dense, gray SILTY LOAM, trace gravel	11	1	B	1	0.57		524.0	--%Silt=49.4-- --%Clay=46.4-- --A-6 (19)--	11	1	B	1	0.57	
		12	2	B	2	0.25			--LL(%)=35, PL(%)=17-- --%Gravel=2.6-- --%Sand=9.8-- --%Silt=46.6-- --%Clay=41.0-30-- --A-6 (15)--	12	2	B	2	0.25	
		17	29	NP	29			519.0	Hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	17	29	NP	29		
		18	27	S	27	7.80			--LL(%)=29, PL(%)=16-- --%Gravel=1.9-- --%Sand=11.1-60-- --%Silt=56.4-- --%Clay=30.6-- --A-6 (10)--	18	27	S	27	7.80	
		19	13	S	13	7.79		492.2	Strong, good rock quality, light gray, fresh, mainly horizontal joints, joint breaks with little to no infill, horizontal stylolites, slightly vuggy, trace small cavities, horizontally bedded DOLOSTONE	19	13	S	13	7.79	
		20	36	S	36	2.38		490.2	Boring terminated at 95.50 ft	20	36	S	36	2.38	
		21	55	NP	55			509.0	Very dense, gray SILTY LOAM, trace to some gravel	21	55	NP	55		
		22	46	S	46				--LL(%)=19, PL(%)=13-- --%Gravel=8.7-- --%Sand=28.7-70-- --%Silt=51.8-- --%Clay=10.7-- --A-4 (1)--	22	46	S	46		

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-13-2013	Complete Drilling	08-15-2013	White Drilling	73.50 ft		
Drilling Contractor	Wang Testing Services	Drill Rig	CME-55 TMR	At Completion of Drilling	NA		
Driller	R&J	Logger	A. Tomaras	Checked by	C. Marin		
Drilling Method	3.25" HSA, boring backfilled upon completion			Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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583.1	4-inch thick, black SILTY LOAM --TOPSOIL-- Medium dense, brown, fine SAND --FILL--	1	4	NP	4			583.1	--LL(%)=35, PL(%)=17-- --%Gravel=4.4-- --%Sand=12.5-- --%Silt=51.1-- --%Clay=32.0-- --A-6 (14)--	1	4	NP	4		
		2	10	NP	10					2	10	NP	10		
		3	8	NP	8			585.4	Very stiff, dark gray CLAY LOAM to SILTY CLAY LOAM, trace gravel	3	8	NP	8		
		4	4	B	4	3.85			--LL(%)=34, PL(%)=17-- --%Gravel=9.2-- --%Sand=16.4-35-- --%Silt=46.1-- --%Clay=28.3-- --A-6 (11)--	4	4	B	4	3.85	
		5	4	B	4	2.87		580.4	Medium stiff to stiff, gray SILTY CLAY LOAM, trace gravel	5	4	B	4	2.87	
		6	3	B	3	1.07				6	3	B	3	1.07	
		7	1	B	1	1.07				7	1	B	1	1.07	
		8	1	B	1	0.90				8	1	B	1	0.90	
		9	2	B	2	1.07				9	2	B	2	1.07	
		10	2	B	2	0.49		570.4	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	10	2	B	2	0.49	
		11	1	B	1	0.25				11	1	B	1	0.25	
		12	1	B	1	0.33				12	1	B	1	0.33	
		13	1	B	1	0.16				13	1	B	1	0.16	
		14	1	B	1	0.33				14	1	B	1	0.33	
		15	2	B	2	0.57				15	2	B	2	0.57	
		16	2	P	2	0.25				16	2	P	2	0.25	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-26-2013	Complete Drilling	08-27-2013	White Drilling	NA		
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	NA		
Driller	P&N	Logger	F. Bozga	Checked by	C. Marin		
Drilling Method	2.25" HSA to 15', mud rotary thereafter, boring grouted upon completion			Depth to Water	NA		
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0161723-60W28-512-Bor-Ing



USER NAME = dunkerleyb	DESIGNED - DEV	REVISED
	CHECKED - ATB	REVISED
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 4/28/2014	CHECKED - EJO	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - I
STRUCTURE NO. 016-1723
 SHEET NO. RW4-12 OF RW4-15 SHEETS

F.A.I. R.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	566
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT NUMBER-	