

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 (%)
579.6	1-inch thick brown SILTY LOAM --TOPSOIL-- Very loose to loose, brown and gray to gray LOAM, trace gravel --FILL--	1	4	4	NP	9	579.6	--In-Situ Vane Shear, 25.5 feet-- --Su undis = 1243.2 psf-- --Su remold = 725.2 psf-- --Sensitivity = 1.714-- --LL(%)=35, PL(%)=17-- --%Gravel=2.6-- --%Sand=9.8-- --%Silt=46.6-- --%Clay=41.0--30 --A-6 (15)--	11	1	2	0.57	25
579.2	Very soft to soft, gray CLAY to SILTY CLAY, trace gravel	2	2	1	NP	10	579.2	--In-Situ Vane Shear, 30.5 feet-- --Su undis = 2481.6 psf-- --Su remold = 1085.7 psf-- --Sensitivity = 2.29--	12	2	2	0.25	27
		3	1	1	P	16	578.5	--In-Situ Vane Shear, 35.5 feet-- --Su undis = 1964.6 psf-- --Su remold = 1344.2 psf-- --Sensitivity = 1.46--	13	2	2	0.33	21
		4	1	1	B	25	578.5	Stiff to very stiff, gray SILTY CLAY, trace gravel	14	4	4	1.56	23
		5	0	2	B	25	578.0	Very stiff, gray CLAY, trace gravel	15	6	6	2.54	18
		6	1	1	B	23			16	5	7	2.62	22
		7	0	1	B	27			17	2	2	0.25	26
		8	0	1	B	26			18	1	1	0.41	23
		9	1	2	B	23			19	1	1	0.41	23
		10	2	2	B	25			20	3	3	0.49	25

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-13-2013	Complete Drilling	08-15-2013	While 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	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method	3.25" HSA, boring backfilled upon completion			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	17	29	36	NP	11	524.0	--Silt=49.4-- --Clay=46.4-- --A-6 (19)--	22	5	6	NP	18
519.0	Hard, gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	18	27	30	S	13	519.0	--LL(%)=29, PL(%)=16-- --%Gravel=1.9-- --%Sand=11.1--60 --%Silt=56.4-- --%Clay=30.6-- --A-6 (10)--	23	7	0	NR	
492.2	--WEATHERED BEDROCK--	13	13	20	S	13	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 --Run 1-RECOVERY=82%-- --RQD =73%--90	23	7	0	NR	
490.2		13	13	20	S	13	490.2		23	7	0	NR	
509.0	Very dense, gray SILTY LOAM, trace to some gravel	20	36	46	S	10	509.0	--LL(%)=19, PL(%)=13-- --%Gravel=8.7-- --%Sand=28.7--70 --%Silt=51.8-- --%Clay=10.7-- --A-4 (1)--	23	7	0	NR	
490.2	Boring terminated at 95.50 ft	10	2	3	S	10	490.2	--Run 2-RECOVERY=95%-- --RQD =80%--	23	7	0	NR	
		14	5	6	NP	14			23	7	0	NR	

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-13-2013	Complete Drilling	08-15-2013	While 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	Time After Drilling	NA		
Checked by	C. Marin			Depth to Water	▽	NA	
Drilling Method	3.25" HSA, boring backfilled upon completion			The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

0161705-60W28-5165-Bor-Log.dgn



USER NAME = floresg	DESIGNED - ABT	REVISED
	CHECKED - EJO	REVISED
PLOT SCALE = N.T.S.	DRAWN - MRK	REVISED
PLOT DATE = 5/7/2014	CHECKED - ABT	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

BORING LOGS - XVII
 STRUCTURE NO. 016-1705

SHEET NO. S-165 OF S-165 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	469L
CONTRACT NO.			60W28	
ILLINOIS FED. AID PROJECT				