



wangeng@wangeng.com
1145 N Main Street
Lombard, IL 60148
Telephone: 630 953-9928
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BORING LOG 40-RWB-02

WEI Job No.: 1100-04-01

Client AECOM
Project Circle Interchange Reconstruction
Location Section 17, T39N, R14E of 3rd PM

Datum: NAVD 88
Elevation: 578.54 ft
North: 1898156.86 ft
East: 1170994.43 ft
Station: 1323+51.23
Offset: 32.4455 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
578.4	1-inch thick, brown SILTY CLAY LOAM, trace gravel --FILL-- Hard, brown SILTY CLAY LOAM, trace gravel --FILL--	1	11	17	4.50	9		--In-Situ Vane Shear, 23.0 feet-- --Su undis = 647.5 psf-- --Su remold = 388.5 psf-- --Sensitivity = 1.67--	5	11	2	0.25	14
		2	8	12	4.50	13		--In-Situ Vane Shear, 25.5 feet-- --Su undis = 984.2 psf-- --Su remold = 440.3 psf-- --Sensitivity = 2.24--	6	12	2	0.41	26
572.0	Very stiff, gray SILTY CLAY, trace gravel	3	8	7	3.12	19		--In-Situ Vane Shear, 28.0 feet-- --Su undis = 1346.8 psf-- --Su remold = 51.8 psf-- --Sensitivity = 26.0-- --LL%=34, PL%=18-- --%Gravel=2.5-- --%Sand=13.6-- --%Silt=51.3-- --%Clay=32.6-- --A-6 (12)--	7	30	2	0.16	20
		4	5	3	NA	19		--In-Situ Vane Shear, 30.5 feet-- --Su undis = 802.9 psf-- --Su remold = 492.1 psf-- --Sensitivity = 1.63--	13	35	2	0.16	20
568.0	Very soft to medium stiff, gray CLAY to SILTY CLAY, trace gravel	5	1	2	0.57	23		Very stiff to hard, gray SILTY CLAY LOAM, trace gravel --In-Situ Vane Shear, 35.5 feet-- --Maxed out wrench before shear--	8	40	4	2.00	19
		6	2	3	0.57	23			14	49	19	2.00	19
		7	2	2	0.33	25			15	8	14	2.95	15
		8	1	2	0.25	27			45	11	14	4.59	12
		9	1	2	0.16	26			50	11	23		
		10	2	2	0.41	24							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-16-2013	Complete Drilling	08-29-2013	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	∇	NA	
Driller	P&N	Logger	D. Kolpacki	Time After Drilling	NA		
Drilling Method	2.25" HSA to 15', mud rotary thereafter, 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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526.8	Medium dense, gray SILTY LOAM, trace gravel	17	11	13	NP	19		--HARD DRILLING-- --Possible Cobbles--	80	22	48	NP	15
521.8	Hard, gray SILTY CLAY LOAM, trace gravel	18	34	50	4.50	11		--HARD DRILLING-- --Cobbles--	85	23	50	1"	
		19	18	28	10.17	15		Strong, fair rock quality, light gray, moderately fractured, joint breaks with little to no infill, slightly vuggy DOLOSTONE	90	1			
		20	22	31	5.00	20		--Run 1 - RECOVERY=78%-- --RQD=52%--	95	2			
		21	40	50	NP	12		--Run 2 - RECOVERY=100%-- --RQD=65%--	95	2			
506.8	Very dense, gray SILT to SILTY LOAM, trace gravel	75	21	40	NP	12		--Run 3 - RECOVERY=100%-- --RQD=68%--	100	3			

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	08-16-2013	Complete Drilling	08-29-2013	While Drilling	∇	DRY	
Drilling Contractor	Wang Testing Services	Drill Rig	D-25 ATV	At Completion of Drilling	∇	NA	
Driller	P&N	Logger	D. Kolpacki	Time After Drilling	NA		
Drilling Method	2.25" HSA to 15', mud rotary thereafter, boring backfilled upon completion			Depth to Water	∇	NA	
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							



USER NAME = kahostings	DESIGNED - RTS	REVISED -
PLOT SCALE = 1/2" = 10' / ft.	CHECKED - KAH	REVISED -
PLOT DATE = 4/28/2014	DRAWN - RTS	REVISED -
	CHECKED - KAH	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS 2
STRUCTURE NO. 016-1809

SHEET NO. RW40-08 OF RW40-12 SHEETS

F.A.I. RTE. 90/94	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 575
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT	