

Wang Engineering
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BORING LOG 3C-B-1 HA
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 690.11 ft
 North: 1810320.05 ft
 East: 1115363.13 ft
 Station: 295+17.87
 Offset: 55.71 RT

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
699.9	3-inch thick, brown SILTY LOAM --TOPSOIL--														
698.1	Very stiff, brown CLAY LOAM with some gravel --FILL--	1	ISUCP	1	3.00	15									
698.1	Very stiff, brown SILTY CLAY, trace gravel --FILL--	2	ISUCP	2	2.75	20									
698.1		3	ISUCP	3	2.00	19									
698.1		4	ISUCP	4	2.75	16									
692.1	Hard, brown and gray SILTY CLAY	5	ISUCP	5	4.50	20									
690.1	Boring terminated at 10.00 ft	10													

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-05-2010	Complete Drilling	11-05-2010	While Drilling	DRY		
Drilling Contractor	WTS	Drill Rig	Geoprobe	At Completion of Drilling	DRY		
Driller	R&J	Logger	N. Boddy	Time After Drilling	NA		
Drilling Method	Hand Auger	Checked by	C. Marin	Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45**
 Location: **ORLAND PARK, T 36N, R 12E**

Datum: NGVD
 Elevation: 680.87 ft
 North: 1810355.15 ft
 East: 1115341.98 ft
 Station: 295+52.94
 Offset: 34.52 RT

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Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
677.9	Hard, brown and gray SILTY CLAY LOAM with trace gravel --FILL--	1	ISUCP	1	4.00	17									
677.9	Very stiff to hard, brown and gray SILTY CLAY LOAM with trace gravel	2	ISUCP	2	2.00	23									
677.9	--L ₁ (%)=35, P ₁ (%)=17-- --%Gravel=3.3-- --%Sand=16.3-- --%Silt=53.6-- --%Clay=26.8-- --A-6(13)--	3	ISUCP	3	4.50	23									
677.9		4	ISUCP	4	3.00	19									
677.9		5	ISUCP	5	4.50	16									
677.9		6	ISUCP	6	4.25	16									
677.9		7	ISUCP	7	4.00	21									
662.9	Very stiff, gray CLAY to SILTY CLAY	8	ISUCP	8	2.00	26									
660.4	Loose, brown SILTY LOAM --L ₁ (%)=25, P ₁ (%)=14-- --%Gravel=4.5-- --%Sand=24.3-- --%Silt=54.2-- --%Clay=17.0-- --A-6(5)--	9	ISUCP	9	NP	16									
657.9		10	ISUCP	10	NP	16									
655.4	Medium dense, gray SAND	11	ISUCP	11	4.66	2.75	11								
655.4		12	ISUCP	12	4.79	1.75	12								
645.1	Medium dense, gray SILTY LOAM with trace GRAVEL	13	ISUCP	13	4.68	3.75	16								
640.9	Boring terminated at 40.00 ft	14	ISUCP	14	5.69	NP	12								

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	11-05-2010	Complete Drilling	11-05-2010	While Drilling	20.00 ft		
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	17.00 ft		
Driller	R&J	Logger	N. Boddy	Time After Drilling	NA		
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Checked by	C. Marin	Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

URS
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Entire sheet revised

FILE NAME: 0162804-60M62-010-bar.dgn	USER NAME: orolan.khan	DESIGNED: WEI	REVISED: 04/12/2013 BAR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS 2 STRUCTURE NO. 016-2004	F.A.P. RTE: 330	SECTION: 103R-5	COUNTY: COOK	TOTAL SHEETS: 778	SHEET NO.: 419
PLOT SCALE: 012,0000 1" = 10'	DRAWN: AMV	REVISED:	CONTRACT NO. 60M62							
PLOT DATE: 4/11/2013	CHECKED: NPP	REVISED:	ILLINOIS FED. AID PROJECT							