

**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 No.	Sample Type	SPT Values (blows/in)	Qu (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (ksf)	Moisture Content (%)
688.1	3-inch thick, brown SILTY LOAM --TOPSOIL--	0	1	PUSH		3.00	15	688.1		0					
688.1	Very stiff, brown CLAY LOAM with some gravel --FILL--	1						688.1		1					
688.1	Very stiff, brown SILTY CLAY, trace gravel --FILL--	2				2.75	20	688.1		2					
688.1		5				2.00	19	688.1		5					
682.1	Hard, brown and gray SILTY CLAY	10				2.75	16	682.1		10					
680.1	Boring terminated at 10.00 ft	10				4.50	20	680.1		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	Checked by	C. Marin		
Drilling Method	Hand Auger			Time After Drilling	NA		
				Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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

Datum: NGVD  
 Elevation: 690.87 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 No.	Sample Type	SPT Values (blows/in)	Qu (ksf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (ksf)	Moisture Content (%)
677.9	Hard, brown and gray SILTY CLAY LOAM with trace gravel --FILL--	0	1	PUSH		4.00	17	677.9	Stiff to very stiff, SILTY CLAY to SILTY CLAY LOAM with trace GRAVEL	0	11		4.66	2.75	
677.9	Very stiff to hard, brown and gray SILTY CLAY LOAM with trace gravel	2				2.00	23	677.9		2	12		4.79	1.75	
677.9		5				4.50	23	677.9		5			3.35	16	
677.9	--L <sub>c</sub> (%)=35, P <sub>c</sub> (%)=17-- --%Gravel=3.3-- --%Sand=16.3-- --%Silt=53.6-- --%Clay=26.8-- --A-6(13)--	10				3.00	19	677.9		10			3.36	16	
677.9		15				4.25	16	677.9		15			4.57	16	
677.9		20				4.57	16	677.9		20			4.57	16	
662.9	Very stiff, gray CLAY to SILTY CLAY	25				2.00	26	662.9		25			3.36	16	
660.4	Loose, brown SILTY LOAM --L <sub>c</sub> (%)=25, P <sub>c</sub> (%)=14-- --%Gravel=4.5-- --%Sand=24.3-- --%Silt=54.2-- --%Clay=17.0-- --A-6(5)--	30				NP	16	660.4		30			3.36	16	
657.9		35				4.47	16	657.9		35			4.47	16	
656	Medium dense, gray SAND	40				NP	16	656		40			NP	12	
645.1	Medium dense, gray SILTY LOAM with trace GRAVEL	45				NP	12	645.1		45			NP	12	
640.9	Boring terminated at 40.00 ft	40				NP	12	640.9		40			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	Checked by	C. Marin		
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Time After Drilling	NA		
				Depth to Water	NA		
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.							

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**URS**

FILE NAME = 0162004-60M62-010-bor.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISIED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORINGS 2 STRUCTURE NO. 016-2004</b>	F.A.P. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 419
PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - AMV	REVISIED -	CONTRACT NO. 60M62							
PLOT DATE = 3/13/2013	CHECKED - NPP	REVISIED -	SHEET NO. 10 OF 10 SHEETS							
						ILLINOIS FED. AID PROJECT				