

Wang Engineering
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 1145 N Main Street
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BORING LOG 3E-B-4
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z007, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 694.55 ft
 North: 1814069.57 ft
 East: 1115363.94 ft
 Station: 332+65.54
 Offset: 66.38 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
694.4	2-inch thick, dark brown SILTY LOAM --TOPSOIL-- Loose, brown SILTY LOAM --FILL--	0-1	1	4	NP	13	694.6	Loose, gray SILT, wet	11	11	4, 4, 4	NP	19
690.8	Soft to medium stiff, black organic SILTY CLAY LOAM, trace plant fibers	1-5	2	4, 3, 3, 3	0.66 B	25	690.6	Very stiff, gray SILTY CLAY LOAM, trace gravel	12	12	3, 5, 5, 6	2.46 B	16
686.6	--L _c (%)=66, P _c (%)=33-- --%Gravel=1.1-- --%Sand=16.3-- --%Silt=53.0-- --%Clay=29.6-- --A-7-5 (31)--	5-10	3	2, 2, 2, 2	0.25 P	59	684.6	Boring terminated at 30.00 ft	30				
686.6	Stiff to very stiff, brown and gray SILTY CLAY LOAM, trace gravel	10-15	4	2, 2, 2, 4	1.72 B	21							
	--L _c (%)=43, P _c (%)=16-- --%Gravel=0.1-- --%Sand=16.4-- --%Silt=56.3-- --%Clay=27.1-- --A-7-6 (22)--	15-20	5	3, 3, 3, 3	1.56 B	27							
		20-25	6	3, 3, 3, 3	3.61 B	17							
			7	3, 3, 3, 7	3.69 B	18							
			8	3, 4, 4, 7	2.38 B	16							
			9	4, 4, 4, 7	2.79 B	18							
			10	3, 4, 2, 2	2.95 B	19							

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	10-06-2010	Complete Drilling	10-06-2010	While Drilling	26.00 ft
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	25.00 ft
Driller	K&K	Logger	B. Wilson	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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BORING LOG 3E-B-5
 WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z007, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 693.39 ft
 North: 1814193.26 ft
 East: 1115376.85 ft
 Station: 333+88.81
 Offset: 82.86 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
692.4	12-inch thick, dark brown SILTY CLAY --TOPSOIL-- Medium stiff, brown SILTY CLAY, trace organic matter	0-1	1	2, 2, 2, 2	0.50 P	45	690.4	Very stiff to hard, brown to gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	2	2	3, 4, 4, 4	2.21 B	23
690.4		1-5	2	3, 3, 3, 3	4.35 B	17							
		5-10	3	2, 2, 2, 2	3.44 B	19							
		10-15	4	3, 3, 3, 3	5.17 B	20							
		15-20	5	3, 3, 3, 3	4.84 B	17							
		20-25	6	3, 3, 3, 3	4.84 B	17							
677.9	Loose, gray SILT, wet	25-30	7	2, 2, 2, 2	NP	23							
675.4	Very stiff, gray SILTY CLAY, trace gravel	30-35	8	3, 3, 3, 3	3.44 B	15							
		35-40	9	3, 3, 3, 3	3.20 B	16							
		40-45	10	3, 3, 3, 3	2.05 B	14							
668.4	Boring terminated at 25.00 ft	45-50											

GENERAL NOTES			WATER LEVEL DATA		
Begin Drilling	10-06-2010	Complete Drilling	10-06-2010	While Drilling	15.50 ft
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	15.00 ft
Driller	K&K	Logger	B. Wilson	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.					

100 S. WACKER DR.
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URS

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - PMH	REVISED -
0162007-60M62-011-bar.dgn		CHECKED - AMK	REVISED -
	PLOT SCALE = 0:2.0000 '1' / in.	DRAWN - PMH	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - AMK	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 2
 STRUCTURE NO. 016-Z007

SHEET NO. 11 OF 12 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	472
CONTRACT NO. 60M62				
ILLINOIS FED. AID PROJECT				