

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
 Telephone: 630 953-9928
 Fax: 630 953-9938

BORING LOG 3RW7-B-10

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Datum: NGVD
 Elevation: 687.00 ft
 North: 1811947.48 ft
 East: 1115243.88 ft
 Station: 311+45.93
 Offset: 55.85 LT

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 (%)
679.0	Stiff to hard, brown and gray CLAY LOAM, trace gravel --FILL--	1	1	16.4	16		679.0		1	11	4.8	2.30	16
		2	2	4.25	16				2	12	3.4	3.36	16
		3	3	2.50	17				3	13	3.5	2.21	18
676.5	Stiff, brown SILTY CLAY LOAM	4	4	1.23	21		676.5		4	14	3.4	1.64	14
		5	5	0.90	18				5	15	2.3	2.05	21
674.0	Medium stiff, brown and gray SANDY CLAY LOAM, trace gravel	6	6	1.39	22		674.0		6	16	3.0	3.00	15
		7	7	0.98	28				7	17	1.56	1.97	15
668.0	Stiff to very stiff, brown and gray SILTY CLAY to SILTY CLAY LOAM, trace gravel	8	8	1.80	16		668.0		8	18	1.23	1.23	13
		9	9	1.56	17				9	19	4.18	4.18	19
		10	10	1.97	15				10	20	3.36	3.36	26
		11	11	1.56	17				11	21	3.00	3.00	15
		12	12	1.97	15				12	22	3.36	3.36	26
		13	13	1.56	17				13	23	3.36	3.36	26
		14	14	1.97	15				14	24	3.36	3.36	26
		15	15	1.56	17				15	25	3.36	3.36	26
		16	16	1.97	15				16	26	3.36	3.36	26
		17	17	1.56	17				17	27	3.36	3.36	26
		18	18	1.97	15				18	28	3.36	3.36	26
		19	19	1.56	17				19	29	3.36	3.36	26
		20	20	1.97	15				20	30	3.36	3.36	26
		21	21	1.56	17				21	31	3.36	3.36	26
		22	22	1.97	15				22	32	3.36	3.36	26
		23	23	1.56	17				23	33	3.36	3.36	26
		24	24	1.97	15				24	34	3.36	3.36	26
		25	25	1.56	17				25	35	3.36	3.36	26

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-18-2011	Complete Drilling	10-18-2011	While Drilling	43.50 ft		
Drilling Contractor	Groff/WTS	Drill Rig	CME LL-60 ATV	At Completion of Drilling	NA		
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion						

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BORING LOG 3RW7-B-11

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 3**
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Datum: NGVD
 Elevation: 688.00 ft
 North: 1812035.55 ft
 East: 1115239.73 ft
 Station: 312+34.06
 Offset: 59.95 LT

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 (%)
687.0	12-inch thick, brown SILTY LOAM	1	1	NP	14		687.0	fine to coarse SAND, some gravel	1	11	9	NP	9
	--TOPSOIL--	2	2	NP	17				2	12	3	NP	7
	Medium dense, brown SILTY LOAM, trace gravel --FILL--	3	3	4.43	15				3	13	3.69	12	
682.5	Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	4	4	2.05	13		682.5	Heaving sand, sample had to be skipped	4	14	6	NP	18
		5	5	NP	8				5	15	7	NP	13
677.5	Loose, brown SANDY LOAM	6	6	4.18	19		677.5	Medium dense, gray SILT to SILTY LOAM, little gravel	6	16	6	NP	18
		7	7	3.36	26				7	17	9	NP	9
675.0	Very stiff to hard, brown SILTY CLAY, with seams of silt and sand	8	8	NP	11		675.0		8	18	7	NP	13
		9	9	3.00	15				9	19	4	NP	11
669.0	Medium dense, brown and gray, fine to coarse SAND	10	10	1.23	13		669.0		10	20	3	NP	7
		11	11	1.23	13				11	21	6	3.69	16
667.0	Stiff to very stiff, brown and gray SILTY CLAY LOAM, trace gravel	12	12	3.36	26		667.0		12	22	9	NP	9
		13	13	3.36	26				13	23	13	NP	7
663.5	Medium dense to sand, gray	14	14	3.36	26		663.5		14	24	10	NP	7
		15	15	3.36	26				15	25	10	NP	7

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-18-2011	Complete Drilling	10-18-2011	While Drilling	28.50 ft		
Drilling Contractor	Groff/WTS	Drill Rig	CME LL-60 ATV	At Completion of Drilling	24.00 ft		
Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion						

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631.0	Dense, gray coarse SAND, some gravel	17	17	9	11	13	631.0		17	17	9	11	13
		18	18	12	20	29	628.0	Boring terminated at 60.00 ft	18	18	12	20	29

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Driller	K&K	Logger	B. Wilson	Time After Drilling	NA		
Checked by	C. Marin	Depth to Water	NA				
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion						

100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4198

FILE NAME = 016Z006-60M62-014-bor.dgn
 USER NAME = Anthony.Plutz
 PLOT SCALE = 0:2.0000 '1' / in.
 PLOT DATE = 3/13/2013

DESIGNED - WEI
 CHECKED - AMK
 DRAWN - AMV
 CHECKED - AMK

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 5
 STRUCTURE NO. 016-Z006
 SHEET NO. 14 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	454
ILLINOIS FED. AID PROJECT			CONTRACT NO. 60M62	