

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**Wang Engineering**  
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Lombard, IL 60148  
Telephone: 630 953-9928  
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**BORING LOG RW-01**  
WEI Job No.: 201-40-01  
Client: McDonough Associates  
Project: US 45 Metra Wall  
Location: Orland Park, IL

Datum: NGVD  
Elevation: 678.71 ft  
North: 1809964.17 ft  
East: 1115229.75 ft  
Station:  
Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Qu (tsf)	Moisture Content (%)
678.4	14-inch thick, dark brown CLAY LOAM	0					678.7		0				
677.1	14-inch thick, stiff gray CLAY	1	1	3	1.56	12			1	11	2	1.00	15
	Stiff, brown and gray CLAY, with little to some gravel	2	2	3	1.72	27			2	12	50	2.00	18
673.2	Medium stiff, gray SANDY CLAY	3	3	1	0.98	19			3	17	7	NP	23
670.0	Stiff to hard, gray SILTY CLAY, with little to some gravel	4	4	3	4.02	18			4	13	10	NA	
	--LL=45%, PL=20%--	5	5	2	1.23	22			5	18	7	NP	24
	--WET SAND LAYER--	6	6	2	1.15	25			6	14	9	NP	20
661.0	Loose, gray, medium SAND to SANDY LOAM	7	7	0	1.31	18			7	15	7	2.30	11
658.2	Stiff to very stiff, gray SILTY CLAY, with gravel	8	8	0	1.00	14			8	11	9	NP	19
		9	9	3	1.00	14	667.7	Medium dense to dense, gray SILTY LOAM	9	16	5	NP	22
		10	10	4	2.21	13			10	16	5	NP	22

**GENERAL NOTES**  
Begin Drilling 03-29-2010 Complete Drilling 03-29-2010  
Drilling Contractor WTS Drill Rig D 50 ATV  
Driller K&J Logger H. Suhail Checked by  
Drilling Method 3.25 IDA HSA; Boring backfilled upon completion

**WATER LEVEL DATA**  
While Drilling 15.50 ft  
At Completion of Drilling 15.00 ft  
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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678.7		0					678.7		0				
		1	11	2	1.00	15			1	11	2	1.00	15
		2	12	50	2.00	18			2	12	50	2.00	18
		3	17	7	NP	23			3	17	7	NP	23
		4	18	7	NP	24			4	18	7	NP	24
		5	19	9	NP	20			5	19	9	NP	20
		6	20	14	NP	19			6	20	14	NP	19
		7	20	14	NP	19			7	20	14	NP	19
		8	20	14	NP	19			8	20	14	NP	19
		9	20	14	NP	19			9	20	14	NP	19
		10	20	14	NP	19			10	20	14	NP	19
		11	20	14	NP	19			11	20	14	NP	19
		12	20	14	NP	19			12	20	14	NP	19
		13	20	14	NP	19			13	20	14	NP	19
		14	20	14	NP	19			14	20	14	NP	19
		15	20	14	NP	19			15	20	14	NP	19
		16	20	14	NP	19			16	20	14	NP	19
		17	20	14	NP	19			17	20	14	NP	19
		18	20	14	NP	19			18	20	14	NP	19
		19	20	14	NP	19			19	20	14	NP	19
		20	20	14	NP	19			20	20	14	NP	19
		21	20	14	NP	19			21	20	14	NP	19
		22	20	14	NP	19			22	20	14	NP	19
		23	20	14	NP	19			23	20	14	NP	19
		24	20	14	NP	19			24	20	14	NP	19
		25	20	14	NP	19			25	20	14	NP	19
		26	20	14	NP	19			26	20	14	NP	19
		27	20	14	NP	19			27	20	14	NP	19
		28	20	14	NP	19			28	20	14	NP	19
		29	20	14	NP	19			29	20	14	NP	19
		30	20	14	NP	19			30	20	14	NP	19
		31	20	14	NP	19			31	20	14	NP	19
		32	20	14	NP	19			32	20	14	NP	19
		33	20	14	NP	19			33	20	14	NP	19
		34	20	14	NP	19			34	20	14	NP	19
		35	20	14	NP	19			35	20	14	NP	19
		36	20	14	NP	19			36	20	14	NP	19
		37	20	14	NP	19			37	20	14	NP	19
		38	20	14	NP	19			38	20	14	NP	19
		39	20	14	NP	19			39	20	14	NP	19
		40	20	14	NP	19			40	20	14	NP	19
		41	20	14	NP	19			41	20	14	NP	19
		42	20	14	NP	19			42	20	14	NP	19
		43	20	14	NP	19			43	20	14	NP	19
		44	20	14	NP	19			44	20	14	NP	19
		45	20	14	NP	19			45	20	14	NP	19
		46	20	14	NP	19			46	20	14	NP	19
		47	20	14	NP	19			47	20	14	NP	19
		48	20	14	NP	19			48	20	14	NP	19
		49	20	14	NP	19			49	20	14	NP	19
		50	20	14	NP	19			50	20	14	NP	19

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DESIGNED	AMV
CHECKED	JCE
DRAWN	AMV
CHECKED	JCE

SOIL BORING LOGS  
STRUCTURE NO. 016-7702

SHEET NO. 10 12 SHEETS	F.A.P RTE. 330	SECTION 73 R-B	COUNTY COOK	TOTAL SHEETS 136	SHEET NO. 87
	CONTRACT NO. 60K64				
DATE: 12/17/10		ILLINOIS FED. AID PROJECT			

