

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOG RW-10 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 695.18 ft
 North: 1809474.46 ft
 East: 1114780.71 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	
694.93	93-inch thick, dark brown, CLAY LOAM --TOPSOIL-- Stiff to very stiff, brown and gray CLAY, some gravel	1	5	9	2.00	20		--Become gray--	11	5	8	3.94	18	
	--FILL--	2	4	1	1.25	14			12	4	9	5.41	19	
		3	2	2	1.50	23		--WET SAND LAYER--	13	4	6	1.25	22	
		4	3	4	1.25	20			14	3	4	2.13	16	
	--Mechanically crushed stone and gas smell--	5	4	7	1.25	27			15	6	3	1.64	29	
679.7	Loose, gray SAND and GRAVELL	6	3	4	1.00	18			16	7	2	1.07	28	
677.2	Medium stiff, black CLAY --BURIED TOPSOIL--	7	2	3	NP	24			17	1	1	1.56	33	
674.7	Stiff to hard, brown and gray SILTY CLAY	8	1	1	0.57	27			18	3	2	2.54	21	
		9	2	3	1.56	26			19	8	3	2.79	19	
		10	2	3	1.34	27			20	10	3	8	5.74	13
		25	4	4	B				25	8	10	12	B	

GENERAL NOTES
 Begin Drilling 04-02-2010 Complete Drilling 04-02-2010
 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 31.75 ft
 At Completion of Drilling 30.00 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.

BORING LOG RW-11 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 690.54 ft
 North: 1809422.09 ft
 East: 1114717.60 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	
696.42	42-inch thick, dark brown, CLAY LOAM	1	1	NP	2.38	21			11	4	7	2.38	21	
	Loose to medium dense, black and brown SAND to GRAVELLY SAND	2	2	NP	4.51	20			12	4	7	4.51	20	
	--FILL--	3	3	NP	8	9			13	3	4	1.64	22	
681.5	Stiff, black CLAY --BURIED TOPSOIL--	4	4	3	1.72	29			14	5	7	2.46	15	
680.0	Stiff to very stiff, black SILTY CLAY	5	4	4	2.00	28			15	7	8	2.46	15	
		6	3	4	1.64	29			16	8	10	12	B	
675.0	Stiff to hard, brown and gray SILTY CLAY, little to some gravel	7	2	3	1.07	28			17	1	1	1.56	33	
		8	3	2	2.54	21			18	3	2	2.54	21	
	--WET SAND LAYER--	9	3	2	2.54	21			19	8	10	12	B	
		10	3	2	2.79	19			20	10	3	8	5.74	13
		25	8	10	12	B			25	8	10	12	B	

GENERAL NOTES
 Begin Drilling 04-05-2010 Complete Drilling 04-05-2010
 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 20.50 ft
 At Completion of Drilling 30.00 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.

BORING LOG RW-12 Page 1 of 1
 WEI Job No.: 201-40-01
 Client: McDonough Associates
 Project: US 45 Metra Wall
 Location: Orland Park, IL
 Datum: NGVD
 Elevation: 691.15 ft
 North: 1809366.73 ft
 East: 1114681.16 ft
 Station:
 Offset:

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Qu (tsf)	Moisture Content (%)
691.15	12-inch thick, dark brown, CLAY LOAM	1	1	NP	0.66	19			11	3	3	4.26	20
	Medium stiff, brown and gray CLAY	2	5	4	NP	16			12	3	3	4.10	19
	--FILL--	3	6	10	NP	8			13	3	3	1.72	18
688.1	Loose to medium dense, brown and black medium SAND	4	7	4	1.15	27			14	3	3	4.26	16
	--FILL--	5	2	4	1.25	35			15	2	2	2.62	27
682.1	Stiff, black CLAY --BURIED TOPSOIL--	6	2	4	1.34	30			16	4	5	2.71	19
680.6	Stiff, black SILTY CLAY	7	2	4	2.62	27			17	4	5	2.71	19
		8	3	4	1.31	31			18	4	6	3.53	18
675.6	Stiff to hard, brown and gray SILTY CLAY, little to some gravel	9	4	5	2.71	19			19	4	6	3.53	18
		10	4	6	3.53	18			20	4	6	3.53	18
	--WET SAND LAYER--	20	4	6	3.53	18			25	4	6	3.53	18
		25	4	6	3.53	18			25	4	6	3.53	18

GENERAL NOTES
 Begin Drilling 04-05-2010 Complete Drilling 04-05-2010
 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 20.50 ft
 At Completion of Drilling 34.00 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.

DESIGNED AMV
 CHECKED JCE
 DRAWN AMV
 CHECKED JCE

SOIL BORING LOGS

SHEET NO. 23	F.A.P. RTE. 330	SECTION 73 R-B	COUNTY COOK	TOTAL SHEETS 136	SHEET NO. 112
23 SHEETS		CONTRACT NO. 60K64		DATE: 12/17/10 ILLINOIS FED. AID PROJECT	

McDonough Associates Inc.
 Engineers / Architects
 130 East Randolph Street Chicago, Illinois 60601