

Wang Engineering
 wangeng@wangeng.com
 1145 N Main Street
 Lombard, IL 60148
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BORING LOG 3D-B-01

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 685.91 ft
 North: 1611135.64 ft
 East: 115355.56 ft
 Station: 303+33.44
 Offset: 47.16 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
686.7	12-inch thick, dark brown SILTY CLAY	0					686.7	12-inch thick, dark brown SILTY CLAY	0				
	---TOPSOIL---							---TOPSOIL---					
	Brown CLAY LOAM	1	1	6	NR			Brown CLAY LOAM	1	1	6	NR	
	---FILL---							---FILL---					
682.9	Medium dense, brown SILTY LOAM, some gravel	2	2	4	NP		682.9	Medium dense, brown SILTY LOAM, some gravel	2	2	4	NP	
680.4	Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	3	3	6	4.42	16	680.4	Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	3	3	6	4.42	16
		4	4	9	9.02	16			4	4	9	9.02	16
		5	5	4	3.44	16			5	5	4	3.44	16
		6	6	6	7.30	15			6	6	6	7.30	15
		7	7	4	3.28	16			7	7	4	3.28	16
		8	8	5	2.89	15			8	8	5	2.89	15
665.9	Boring terminated at 20.00 ft	20					665.9	Boring terminated at 20.00 ft	20				

GENERAL NOTES

Begin Drilling: 10-05-2010
 Complete Drilling: 10-05-2010
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: K&K
 Logger: B. Wilson
 Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: DRY
 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 3D-B-02

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 683.16 ft
 North: 1811224.42 ft
 East: 1115355.87 ft
 Station: 304+22.22
 Offset: 47.36 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
682.2	12-inch thick, dark brown SILTY CLAY, trace roots	0					682.2	12-inch thick, dark brown SILTY CLAY, trace roots	0				
	---TOPSOIL---							---TOPSOIL---					
	Stiff, dark brown CLAY LOAM, trace gravel	1	1	2	1.50	31		Stiff, dark brown CLAY LOAM, trace gravel	1	1	2	1.50	31
	---FILL---							---FILL---					
679.2	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	4	4.18	15	679.2	Very stiff to hard, brown and gray SILTY CLAY, trace gravel	2	2	4	4.18	15
		3	3	3	2.87	25			3	3	3	2.87	25
		4	4	4	4.10	16			4	4	4	4.10	16
		5	5	6	6.72	17			5	5	6	6.72	17
669.4	Medium dense, brown SILTY LOAM	6	6	4	NP	17	669.4	Medium dense, brown SILTY LOAM	6	6	4	NP	17
667.7	Hard, brown to gray SILTY CLAY, trace gravel	7	7	4	4.57	19	667.7	Hard, brown to gray SILTY CLAY, trace gravel	7	7	4	4.57	19
663.2	Boring terminated at 20.00 ft	20					663.2	Boring terminated at 20.00 ft	20				

GENERAL NOTES

Begin Drilling: 10-05-2010
 Complete Drilling: 10-05-2010
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: K&K
 Logger: B. Wilson
 Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: DRY
 At Completion of Drilling: 19.00 ft
 Time After Drilling: NA
 Depth to Water: NA

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BORING LOG 3D-B-03

WEI Job No.: 201-40-01
 Client: McDonough Associates Inc.
 Project: US 45, Segment 3
 Location: Ret. Wall 016-Z005, Cook Co., T36N, R12E

Datum: NGVD
 Elevation: 674.21 ft
 North: 1811326.85 ft
 East: 1115367.83 ft
 Station: 305+23.89
 Offset: 59.72 RT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/ft)	Cu (tsf)	Moisture Content (%)
672.9	16-inch thick, brown SILTY CLAY LOAM, trace roots	0					672.9	16-inch thick, brown SILTY CLAY LOAM, trace roots	0				
	---FILL---							---FILL---					
	Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)	1	1	6	NP			Loose to medium dense, gray CRUSHED STONE (stone size up to 5-inch)	1	1	6	NP	
	---FILL---							---FILL---					
668.7	Very soft to medium stiff, brown, black, and gray organic SILTY LOAM to SILTY CLAY LOAM, trace plant material	2	2	6	NP		668.7	Very soft to medium stiff, brown, black, and gray organic SILTY LOAM to SILTY CLAY LOAM, trace plant material	2	2	6	NP	
		3	3	1	0.50	31			3	3	1	0.50	31
		4	4	1	0.25	39			4	4	1	0.25	39
		5	5	1	0.25	65			5	5	1	0.25	65
		6	6	0	0.25	51			6	6	0	0.25	51
657.7	Medium stiff, gray GRAVELLY SILTY LOAM	7	7	0	0.50	31	657.7	Medium stiff, gray GRAVELLY SILTY LOAM	7	7	0	0.50	31
		8	8	3	0.75	14			8	8	3	0.75	14
653.7	Stiff to very stiff, gray SILTY CLAY, trace gravel	9	9	5	1.39	17	653.7	Stiff to very stiff, gray SILTY CLAY, trace gravel	9	9	5	1.39	17
649.2	Boring terminated at 25.00 ft	25					649.2	Boring terminated at 25.00 ft	25				

GENERAL NOTES

Begin Drilling: 10-19-2010
 Complete Drilling: 10-19-2010
 Drilling Contractor: WTS
 Drill Rig: D 50 ATV
 Driller: K&K
 Logger: B. Wilson
 Checked by: C. Marin
 Drilling Method: 3.25" IDA HSA; Boring backfilled upon completion

WATER LEVEL DATA

While Drilling: 3.00 ft
 At Completion of Drilling: 3.00 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.

100 S. WACKER DR.
 6TH FLOOR
 CHICAGO, IL 60606
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FILE NAME = 016Z005-60M62-013-bor.dgn

USER NAME = orsalan_khan
 PLOT SCALE = 0:2.0000 '1' / in.
 PLOT DATE = 3/22/2013

DESIGNED - WEI
 CHECKED - AMK
 DRAWN - PMH
 CHECKED - AMK

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 1
 STRUCTURE NO. 016-Z005

SHEET NO. 13 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	432
CONTRACT NO. 60M62				

ILLINOIS FED. AID PROJECT