

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

BORING LOG 3RW7-B-08

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: 686.00 ft
 North: 1811780.40 ft
 East: 1115243.40 ft
 Station: 309+78.88
 Offset: 59.31 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 (%)
685.0	14-inch thick SILTY CLAY --TOPSOIL-- Medium dense, brown and gray LOAM, some gravel	1	1	7	NP	14	686.5	Very stiff, gray SILTY CLAY	11	11	7	3.69	19
683.0	Medium dense, brown and gray SILTY LOAM, little gravel	2	2	7	NP	14			12	12	3	2.62	17
680.5	Stiff to very stiff, brown and gray CLAY LOAM, little gravel	3	3	4	3.36	20			13	13	4	3.36	15
675.5	Medium stiff, brown and gray SILTY CLAY	5	5	2	0.82	27			14	14	9	1.80	16
668.0	Stiff, brown and gray SILTY CLAY, trace gravel	8	8	3	1.72	15			15	15	8	1.97	16
662.0	Loose, gray fine to coarse SAND	10	10	3	NP	20			16	16	5	1.97	16

GENERAL NOTES

Begin Drilling 10-19-2011 Complete Drilling 10-20-2011
 Drilling Contractor **Groff/WTS** Drill Rig **CME LL-60 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 25.00 ft
 At Completion of Drilling 26.00 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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BORING LOG 3RW7-B-08

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: 686.00 ft
 North: 1811780.40 ft
 East: 1115243.40 ft
 Station: 309+78.88
 Offset: 59.31 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 (%)
621.0	Boring terminated at 65.00 ft	65	19	11	1.84	14			17	17	4	2.35	21

GENERAL NOTES

Begin Drilling 10-19-2011 Complete Drilling 10-20-2011
 Drilling Contractor **Groff/WTS** Drill Rig **CME LL-60 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 25.00 ft
 At Completion of Drilling 26.00 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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BORING LOG 3RW7-B-09

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: 686.00 ft
 North: 1811854.27 ft
 East: 1115248.41 ft
 Station: 310+52.69
 Offset: 53.42 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 (%)
686.0	13-inch thick, brown SILTY CLAY --TOPSOIL-- Stiff to hard, brown and gray CLAY LOAM, trace gravel	1	1	8	5.82	16			11	11	2	2.54	16
675.5	Stiff, brown and gray SILTY CLAY LOAM	5	2	7	3.28	14			12	12	4	4.02	20
673.0	Soft to medium stiff, brown and gray SANDY CLAY LOAM, trace gravel	6	3	4	2.54	18			13	13	4	2.71	18
668.0	Very soft, gray SILTY CLAY LOAM, trace organic matter and sand seams	8	0	0	0.25	32			14	14	5	4.26	15
666.0	Medium stiff, gray SILTY CLAY LOAM, trace organic matter and sand seams	9	0	0	0.95	20			15	15	4	1.89	15
663.0	Very dense, gray SILT, seams of sand	10	2	4	1.89	18			16	16	10	NP	15

GENERAL NOTES

Begin Drilling 10-19-2011 Complete Drilling 10-19-2011
 Drilling Contractor **Groff/WTS** Drill Rig **CME LL-60 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 18.00 ft
 At Completion of Drilling 28.00 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.
 CHICAGO, IL 60606
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 FAX (312) 939-4198

FILE NAME = 016Z006-60M62-013-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

REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORINGS 4
 STRUCTURE NO. 016-Z006

SHEET NO. 13 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-5	COOK	778	453
CONTRACT NO. 60M62				

ILLINOIS FED. AID PROJECT