

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

BORING LOG RWB-55

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-11, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 717.48 ft
 North: 1805522.79 ft
 East: 1115332.76 ft
 Station: 247+21.80
 Offset: 59.02 LT

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 (%)
717.5	15-inch thick ASPHALT												
718.4	8-inch thick CRUSHED STONE												
719.0	8-inch thick CRUSHED STONE												
720.0	Medium stiff to hard, brown and gray GRAVELLY CLAY		1	4	4.00	19							
	Medium stiff to hard, brown and gray GRAVELLY CLAY		2	5	0.50	23							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		3	0	0.82	32							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		4	2	1.97	24							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		5	4	6.07	22							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		6	6	7.30	20							
702.5	Boring terminated at 15.00 ft												

GENERAL NOTES

Begin Drilling: 04-19-2011
 Complete Drilling: 04-19-2011
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: K&R
 Logger: B. Wilson
 Checked by: CLM
 Drilling Method: 2.25" SSA; Boring backfilled upon completion

WATER LEVEL DATA

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

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BORING LOG RWB-56

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-11, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 718.94 ft
 North: 1805578.77 ft
 East: 1115331.06 ft
 Station: 247+77.81
 Offset: 58.81 LT

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 (%)
718.4	6-inch thick ASPHALT												
719.0	8-inch thick CRUSHED STONE												
720.0	8-inch thick CRUSHED STONE												
721.0	Stiff, brown and gray SILTY CLAY LOAM, trace to little gravel		1	4	27								
725.2	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		2	2	3.28	21							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		3	4	7.05	18							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		4	9	8.12	19							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		5	4	4.92	22							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		6	4	4.92	26							
703.9	Boring terminated at 15.00 ft												

GENERAL NOTES

Begin Drilling: 04-19-2011
 Complete Drilling: 04-19-2011
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: K&R
 Logger: B. Wilson
 Checked by: CLM
 Drilling Method: 2.25" SSA; Boring backfilled upon completion

WATER LEVEL DATA

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

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BORING LOG RWB-60

WEI Job No.: 201-40-01
 Client: **McDonough Associates Inc.**
 Project: **US 45, Segment 2**
 Location: **Ret. Wall RW-14, Cook Co., T36N, R12E**

Datum: NGVD
 Elevation: 723.04 ft
 North: 1805762.85 ft
 East: 1115329.29 ft
 Station: 249+61.83
 Offset: 54.30 LT

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 (%)
722.65	722.65-inch thick, brown SILTY CLAY												
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		1	4	5.90	17							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		2	5	4.43	20							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		3	4	4.10	24							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		4	4	4.92	24							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		5	4	2.95	21							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		6	4	4.59	19							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		7	4	2.71	16							
	Very stiff to hard, brown and gray SILTY CLAY, trace gravel		8	5	3.61	15							
703.0	Boring terminated at 20.00 ft												

GENERAL NOTES

Begin Drilling: 04-19-2011
 Complete Drilling: 04-19-2011
 Drilling Contractor: WTS
 Drill Rig: B-57 TMR
 Driller: K&R
 Logger: B. Wilson
 Checked by: CLM
 Drilling Method: 2.25" SSA; Boring backfilled upon completion

WATER LEVEL DATA

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

100 S. WACKER DR.
 SUITE 600
 CHICAGO, IL 60606
 TEL (312) 939-1000
 FAX (312) 939-4998



FILE NAME = D:\60M61-SHT-Boring09.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -
		CHECKED - JCE	REVISED -
	PLOT SCALE = 0:2.00' = 1" / in.	DRAWN - JDK	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - PMH	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**RETAINING WALL
 SOIL BORING LOGS**

SHEET NO. 34 OF 42 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	510
CONTRACT NO. 60M61				
ILLINOIS FED. AID PROJECT				

Note:
 For retaining wall key plan see sheet 1.
 For typical wall details see sheet 2.
 See individual wall sheets for boring locations.