Wang Engineering
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1145 N Main Street
Lombard, IL 60148
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BORING LOG RWB-44

WEI Job No.: 201-40-01

Client: McDonough Associates Inc.
Project: US 45, Segment 2
Location: Ret. Wall RW-7, Cook Co., T36N, R12E

Datum: NGVD
Elevation: 710.45 ft
North: 1803516.63 ft
East: 1115402.42 ft
Station: 227+14.44
Offset: 57.71 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
709.8	8-inch thick, brown SILTY CLAY --TOPSOIL--				
	Very stiff, brown and gray SILTY CLAY LOAM, little gravel --FILL--	1	2 3 3	2.50 P	21
707.5	Medium stiff, black organic SILTY CLAY --BURIED TOPSOIL--	2	2 4 6	0.75 P	31
705.0	Very stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	3	0 2 1	--	
		4	2 4 6	2.95 B	14
		5	5 7 8	5.00 B	14
695.5		6	4 5 6	4.35 B	13
	Boring terminated at 15.00 ft				

GENERAL NOTES

Begin Drilling: 04-20-2011 Complete Drilling: 04-20-2011
Drilling Contractor: WTS Drill Rig: B-57 TMR
Driller: K&R Logger: B. Wilson Checked by: CLM
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.

WANGENGINC 2014001.GPJ WANGENG.GDT 5/13/11

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BORING LOG RWB-45

WEI Job No.: 201-40-01

Client: McDonough Associates Inc.
Project: US 45, Segment 2
Location: Ret. Wall RW-8, Cook Co., T36N, R12E

Datum: NGVD
Elevation: 712.52 ft
North: 1803685.39 ft
East: 1115393.43 ft
Station: 228+83.41
Offset: 60.95 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
712.24	4-inch thick, ASPHALT --PAVEMENT--				
711.4	10-inch thick, CRUSHED STONE --BASE COURSE--	1	3 3 4	N/A	17
709.8	Brown and gray SILTY CLAY LOAM, little gravel --FILL--	2	2 2 4	NP	23
	Loose, brown and gray SILTY LOAM, trace gravel	3	4 9 10	NP	19
705.7	Stiff to hard, brown and gray SILTY CLAY LOAM, trace gravel	4	4 6 7	1.48 B	13
		5	3 4 5	4.02 B	13
697.5		6	3 4 5	2.13 B	12
	Boring terminated at 15.00 ft				

GENERAL NOTES

Begin Drilling: 04-20-2011 Complete Drilling: 04-20-2011
Drilling Contractor: WTS Drill Rig: B-57 TMR
Driller: K&R Logger: B. Wilson Checked by: CLM
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.

WANGENGINC 2014001.GPJ WANGENG.GDT 5/13/11

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BORING LOG RWB-46

WEI Job No.: 201-40-01

Client: McDonough Associates Inc.
Project: US 45, Segment 2
Location: Ret. Wall RW-8, Cook Co., T36N, R12E

Datum: NGVD
Elevation: 714.57 ft
North: 1803751.01 ft
East: 1115391.67 ft
Station: 229+49.05
Offset: 60.47 LT

Elevation (ft)	SOIL AND ROCK DESCRIPTION	Sample No.	SPT Values (blw/6 in)	Qu (tsf)	Moisture Content (%)
714.25	25-inch thick, ASPHALT --PAVEMENT--				
713.3	8-inch thick, CRUSHED STONE --BASE COURSE--	1	7 5 5	2.75 P	13
712.1	Very stiff, gray CLAY LOAM, little gravel --FILL--	2	4 5 7	NP	20
711.6	Hard (4.5P), brown and gray SILTY CLAY LOAM				
709.1	Medium dense, brown and gray SILTY LOAM, trace gravel				
	Stiff to very stiff, brown to gray SILTY CLAY LOAM, trace gravel	3	5 7 10	2.50 P	15
		4	4 7 8	2.05 B	13
		5	4 5 8	1.89 B	12
699.6		6	4 5 6	2.05 B	12
	Boring terminated at 15.00 ft				

GENERAL NOTES

Begin Drilling: 04-20-2011 Complete Drilling: 04-20-2011
Drilling Contractor: WTS Drill Rig: B-57 TMR
Driller: K&R Logger: B. Wilson Checked by: CLM
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.

WANGENGINC 2014001.GPJ WANGENG.GDT 5/13/11

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

URS
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FILE NAME = D160M61-SHT-Boring06.dgn	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -
		CHECKED - JCE	REVISED -
	PLOT SCALE = 0:2.00 ':' / 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. 31 OF 42 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	507

CONTRACT NO. 60M61

ILLINOIS FED. AID PROJECT