

**BORING LOG RWB-33**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 2**  
 Location: **Ret. Wall RW-4, Cook Co., T36N, R12E**

Datum: NGVD  
 Elevation: 693.56 ft  
 North: 1801580.86 ft  
 East: 1115462.27 ft  
 Station: 207+77.66  
 Offset: 63.81 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 (%)
693.15	15-inch thick, ASPHALT												
692.6	6-inch thick, CRUSHED STONE												
690.0	Stiff, brown SILTY CLAY LOAM, little gravel	1	1	3	1.75	14							
	Stiff, brown and gray CLAY to SILTY CLAY	2	2	3	1.89	24							
		3	3	3	1.31	28							
		4	4	3	1.64	33							
683.1	Very soft to medium stiff, gray SILTY CLAY	5	5	1	0.66	30							
		6	6	1	0.33	28							
675.6	Very loose, gray SILT with fine SAND laminations	7	7	0	0.25	26							
673.1	Loose to medium dense, gray SANDY LOAM to SAND, little gravel	8	8	0	NP	26							
668.6	Boring terminated at 25.00 ft	9	9	0	NP	23							
		10	10	7	NP	13							

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-21-2011	Complete Drilling	04-21-2011	While Drilling	18.00 ft		
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	20.00 ft		
Driller	R&K	Logger	B. Wilson	Time After Drilling	NA		
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	NA		

**BORING LOG RWB-36**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 2**  
 Location: **Ret. Wall RW-6, Cook Co., T36N, R12E**

Datum: NGVD  
 Elevation: 700.20 ft  
 North: 1802457.27 ft  
 East: 1115562.80 ft  
 Station: 216+50.23  
 Offset: 66.51 RT

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 (%)
699.5	8-inch thick, black SILTY CLAY												
	Very stiff, brown and gray SILTY CLAY, trace gravel	1	1	4	3.50	24							
697.2	Medium stiff to very stiff, brown and gray SILTY CLAY	2	2	4	2.13	33							
		3	3	2	0.50	33							
691.3	Very loose, brown and gray SILT	4	4	2	NP	27							
689.7	Medium dense, gray SANDY LOAM	5	5	0	NP	21							
687.2	Stiff to hard, gray SILTY CLAY, trace gravel	6	6	4	1.80	15							
		7	7	4	4.67	15							
		8	8	10	1.72	15							
680.2	Boring terminated at 20.00 ft	20	20	7									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-13-2011	Complete Drilling	04-13-2011	While Drilling	8.75 ft		
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	CAVE AT 8.0		
Driller	K&R	Logger	B. Wilson	Time After Drilling	NA		
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	NA		

**BORING LOG RWB-37**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 2**  
 Location: **Ret. Wall RW-6, Cook Co., T36N, R12E**

Datum: NGVD  
 Elevation: 699.69 ft  
 North: 1802558.00 ft  
 East: 1115560.87 ft  
 Station: 217+50.97  
 Offset: 68.01 RT

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 (%)
699.35	15-inch thick ASPHALT												
698.8	9-inch thick CRUSHED STONE												
696.0	Stiff, brown and gray SILTY CLAY	1	1	5	1.25	24							
	Loose, brown and gray LOAM	2	2	2	NP	23							
		3	3	2	NP	14							
691.7	Medium stiff to stiff, gray SILTY CLAY LOAM, trace gravel	4	4	2	1.64	15							
		5	5	3	0.82	13							
		6	6	0	1.72	14							
		7	7	3	1.31	13							
		8	8	6	1.80	13							
679.7	Boring terminated at 20.00 ft	20	20	9									

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	04-13-2011	Complete Drilling	04-13-2011	While Drilling	DRY		
Drilling Contractor	WTS	Drill Rig	B-57 TMR	At Completion of Drilling	DRY		
Driller	K&R	Logger	B. Wilson	Time After Drilling	NA		
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion			Depth to Water	NA		

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -
D160M61-SHT-Boring03.dgn		CHECKED - JCE	REVISED -
	PLOT SCALE = 0:2.00 '1" = 10'	DRAWN - JDK	REVISED -
	PLOT DATE = 3/13/2013	CHECKED - PMH	REVISED -

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	504
CONTRACT NO. 60M61			ILLINOIS FED. AID PROJECT	