

BORING LOG RWB-30-HA Page 1 of 1

wangeng@wangeng.com WEI Job No.: 201-40-01 Datum: NGVD

Client: McDonough Associates Inc. Elevation: 683.50 ft North: 1800656.35 ft

Project: US 45 East: 1115479.13 ft Station: 198+53.21

Location: ORLAND PARK, T 36N, R 12E Offset: 78.45 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)
681.5	Medium stiff, brown SILTY CLAY, trace gravel --FILL--	2	PUSH		0.75	47							
673.5	Soft, black and gray SANDY CLAY LOAM, trace gravel and organic traces	4	PUSH		0.25	54							
677.8	Brown and gray SILTY LOAM, trace gravel	5	PUSH		NP	57							
677.8	Very soft to soft, brown and gray CLAY	8	PUSH		0.25	40							
673.8	Gray, medium SAND	10	PUSH		0.25	32							
667.8	Stiff, gray SILTY CLAY, trace gravel	18	PUSH		1.25	27							
665.5	Boring terminated at 18.00 ft												

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	03-17-2011	Complete Drilling	03-17-2011
Drilling Contractor	WEI	Drill Rig	Geoprobe
Driller	B&C	Logger	B. Wilson
Checked by	CLM	Time After Drilling	NA
Drilling Method	Hand Auger	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

BORING LOG RWB-31 Page 1 of 3

wangeng@wangeng.com WEI Job No.: 201-40-01 Datum: NGVD

Client: McDonough Associates Inc. Elevation: 688.30 ft North: 1800770.33 ft

Project: US 45, Segment 2 East: 1115482.98 ft Station: 199+68.85

Location: Rt. Wall 016-W001, Cook Co., T36N, R12E Offset: 60.77 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)
688.3	6-inch thick ASPHALT --PAVEMENT--												
688.3	6-inch thick CRUSHED STONE --BASE COURSE--												
688.3	Medium dense, brown SANDY LOAM, some gravel	1	10	15	7	NP	15						
688.3	Very stiff, brown SILTY CLAY LOAM, little gravel	2	4	4	5	2.00	25						
688.3	Soft, brown and gray SILTY CLAY, trace roots	3	2	1	1	0.33	28						
688.3	Loose, gray, fine to coarse SAND, little gravel	4	6	2	2	NP	10						
688.3	Very stiff, gray SILTY CLAY	5	2	2	2	NP	18						
688.3	Stiff to very stiff, gray SILTY CLAY, trace gravel	6	1	2	4	1.81	22						
688.3	Loose, gray GRAVELLY SAND	7	2	2	8	1.07	25						
688.3	Loose, gray, fine SAND	8	2	3	4	1.48	22						
688.3	Loose, gray, fine SAND	9	2	3	5	1.15	22						
688.3	Loose, gray, fine SAND	10	2	3	6	1.66	17						

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-06-2011	Complete Drilling	04-06-2011
Drilling Contractor	WTS	Drill Rig	D-50 ATV
Driller	K&R	Logger	B. Wilson
Checked by	CLM	Time After Drilling	NA
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			

BORING LOG RWB-31 Page 1 of 3

wangeng@wangeng.com WEI Job No.: 201-40-01 Datum: NGVD

Client: McDonough Associates Inc. Elevation: 689.30 ft North: 1800770.33 ft

Project: US 45, Segment 2 East: 1115482.98 ft Station: 199+68.85

Location: Rt. Wall 016-W001, Cook Co., T36N, R12E Offset: 60.77 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	SPT Values (blows/6 in)	Q _v (tsf)	Moisture Content (%)
689.3	Medium dense, gray GRAVELLY SAND	11	3	5	7	2.02	15						
689.3	Loose to medium dense, gray SILT to SILTY LOAM, laminations of fine sand	12	4	4	4	NP	21						
689.3	Boring terminated at 65.00 ft												

GENERAL NOTES		WATER LEVEL DATA	
Begin Drilling	04-06-2011	Complete Drilling	04-06-2011
Drilling Contractor	WTS	Drill Rig	D-50 ATV
Driller	K&R	Logger	B. Wilson
Checked by	CLM	Time After Drilling	NA
Drilling Method	3.25" IDA HSA; Boring backfilled upon completion	Depth to Water	NA
The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.			



USER NAME =	DESIGNED - LRT/AG	REVISED -
PLOT SCALE =	CHECKED - OAO	REVISED -
PLOT DATE =	DRAWN - TCS/AG	REVISED -
	CHECKED - LRT	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BORING LOGS 2 OF 3
STRUCTURE NO. 016-W001**

SHEET NO. 8 OF 9 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
330	103R-4	COOK	877	526
CONTRACT NO. 60M61				
ILLINOIS FED. AID PROJECT				