

Wang Engineering
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 1145 N Main Street
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BORING LOG 3RW7-HA-02 Page 1 of 1

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: 675.80 ft
 North: 1811307.35 ft
 East: 1115210.32 ft
 Station: 305+06.26
 Offset: 93.00 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
675.1	8-inch thick, black SILTY LOAM --TOPSOIL--		1	P			19								
	Brown SILTY LOAM --FILL--			H											
673.5	Medium stiff to stiff, black, organic SILTY CLAY Organic Content (%) = 10.0		2	P	0.93		38								
670.5	Very soft to soft (<0.25P-0.25P), dark gray to gray SANDY CLAY LOAM		3	P	1.24		28								
666.1	Soft(0.25P) to stiff, brown and gray SILTY CLAY		4	P	1.87		31								
667.1	Dark brown SANDY LOAM		5	P			25								
666.1	Very soft to soft, black, brown and gray SILTY CLAY		6	P	0.25		42								
			7	P	0.25		40								
			8	P	0.10		47								
			9	P	0.25		49								
657.5	Wet, gray SILT		10	P	0.42		42								
656.4	Soft, gray, black and brown CLAY			H											
	Boring terminated at 20.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-06-2011	Complete Drilling	10-07-2011	While Drilling	5.00 ft		
Drilling Contractor	WTS	Drill Rig	Geoprobe	At Completion of Drilling	5.00 ft		
Driller	F&N	Logger	N. Boddy	Time After Drilling	NA		
Drilling Method	Hand Auger	Checked by	C. Marin	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-HA-03 Page 1 of 1

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: 672.50 ft
 North: 1811401.86 ft
 East: 1115204.85 ft
 Station: 306+00.83
 Offset: 102.36 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
671.9	7-inch thick, black SILTY LOAM --TOPSOIL--		1	P		1.50	31								
	Stiff, dark brown CLAY LOAM --FILL--			H											
670.0	Very stiff, brown and gray SILTY CLAY, trace gravel		2	P	2.28		24								
667.8	Soft, dark brown CLAY, trace gravel		3	P	0.42		40								
666.2	Stiff to hard, brown and gray SILTY CLAY, trace gravel		4	P	4.36		22								
			5	P	2.28		19								
			6	P	1.45		22								
			7	P	1.45		20								
658.2	Gray, SANDY LOAM		8	P	0.25		37								
657.0	Very soft, gray SILTY CLAY, trace gravel		9	P	0.25		37								
			10	P	1.24		13								
653.8	Stiff, gray SILTY CLAY, trace gravel			H											
653.0	Gray GRAVELLY SAND			H											
	Boring terminated at 20.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-05-2011	Complete Drilling	10-05-2011	While Drilling	5.50 ft		
Drilling Contractor	WTS	Drill Rig	Geoprobe	At Completion of Drilling	3.00 ft		
Driller	F&N	Logger	N. Boddy	Time After Drilling	NA		
Drilling Method	Hand Auger	Checked by	C. Marin	Depth to Water	NA		
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BORING LOG 3RW7-HA-04 Page 1 of 1

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: 674.00 ft
 North: 1811469.88 ft
 East: 1115212.23 ft
 Station: 306+68.75
 Offset: 94.17 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)	Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample No.	Sample Type	SPT Values (blows/in)	Qu (tsf)	Moisture Content (%)
673.56	6-inch thick, black SILTY LOAM --TOPSOIL--		1	P			16								
	Brown SILTY LOAM --FILL--			H											
671.5	Hard, brown and gray SILTY CLAY LOAM, trace gravel		2	P	4.50		18								
669.7	Dark brown, gray and brown SILTY LOAM, trace gravel		3	P			19								
667.7	Stiff to hard, brown to gray, SILTY CLAY to SILTY CLAY LOAM, trace to little gravel		4	P	6.23		14								
			5	P	4.98		16								
			6	P	1.45		15								
			7	P	1.14		15								
659.7	Gray GRAVELLY SAND		8	P	0.62		16								
	Very stiff, gray SILTY CLAY LOAM, trace gravel		9	P	2.07		11								
			10	P	2.28		29								
654.0	-2-inch thick, wet GRAVELLY SAND			H											
	Boring terminated at 20.00 ft														

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-05-2011	Complete Drilling	10-06-2011	While Drilling	12.00 ft		
Drilling Contractor	WTS	Drill Rig	Geoprobe	At Completion of Drilling	NA		
Driller	F&N	Logger	N. Boddy	Time After Drilling	NA		
Drilling Method	Hand Auger	Checked by	C. Marin	Depth to Water	NA		
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URS

FILE NAME =	USER NAME = Anthony.Plutz	DESIGNED - WEI	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORINGS 7 STRUCTURE NO. 016-Z006	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
016Z006-60M62-016-bor.dgn		CHECKED - AMK	REVISED -			330	103R-5	COOK	778	456	
		PLOT SCALE = 0:2.0000 ' / in.	REVISIED -			CONTRACT NO. 60M62					
		PLOT DATE = 3/13/2013	REVISIED -			ILLINOIS FED. AID PROJECT					