

**Wang Engineering**  
 wangeng@wangeng.com  
 1145 N Main Street  
 Lombard, IL 60148  
 Telephone: 630-953-9376  
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**BORING LOG 3RW7-HA-11**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Date: RCYP  
 Elevation: 604.66 ft  
 North: 1012042.97 ft  
 East: 1115224.28 ft  
 Station: 312+31.06  
 Office: 75-44 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)
604.66	12 inch thick, dark brown SILTY LOAM	0						604.66						
604.66	TOPSOIL	0						604.66						
604.66	Yellowish brown, SILTY LOAM	0						604.66						
604.66	FILL	0						604.66						
604.66	Dark brown SILTY LOAM	0						604.66						
604.66	BROWN TOPSOIL	0						604.66						
604.66	Brown SILTY LOAM, trace organic	0						604.66						
604.66	Yellowish brown SAND to SANDY LOAM	0						604.66						
604.66		1	PUSH	NP	17			604.66						
604.66		2	PUSH	NP	16			604.66						
604.66		3	PUSH	NP	7			604.66						
604.66		4	PUSH	NP	10			604.66						
604.66		5	PUSH	NP	14			604.66						
604.66		6	PUSH	NP	9			604.66						
604.66		7	PCU	NP	5			604.66						
604.66		8	PUSH	NP	8			604.66						
604.66		10	PUSH	NA				604.66						

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-24-2011	Complete Drilling	10-24-2011	Water Drilling		DRY	
Drilling Contractor	WTS	Drill Rig	Geoprobe	At Completion of Drilling		DRY	
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 3SW-1B-1**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Date: RCYP  
 Elevation: 605.71 ft  
 North: 1011542.72 ft  
 East: 1116305.31 ft  
 Station: 309+44.62  
 Office: 46-10 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)
605.71	12-inch thick ASPHALT	0						605.71						
605.71	PAVEMENT	0						605.71						
605.71	4-inch thick CRUSHED STONE	0						605.71						
605.71	BASE COURSE	0						605.71						
605.71	Stiff to hard, brown SILTY CLAY, trace gravel	0						605.71						
605.71	FILL	0						605.71						
605.71		1			4	3.60		605.71						
605.71		2			4	4.00		605.71						
605.71		3			7	4.00		605.71						
605.71		4			4	4.00		605.71						
605.71		5			4	3.77		605.71						
605.71		6			3	1.23		605.71						
605.71		7			NR			605.71						
605.71		8			NR			605.71						
605.71		9			NR			605.71						
605.71		10			NR			605.71						

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-13-2010	Complete Drilling	10-13-2010	Water Drilling		21.00 ft	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling		DRY	
Driller	T&M	Logger	B. Wilson	Time After Drilling		NA	
Drilling Method	3.25" IDA HSA, Boring backfilled upon completion	Checked by	C. Marin	Depth to Water		NA	

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**BORING LOG 3SW-1B-2**

WEI Job No.: 201-40-01

Client: **McDonough Associates Inc.**  
 Project: **US 45, Segment 3**  
 Location: **Ret. Wall 016-Z006, Cook Co., IL**

Date: RCYP  
 Elevation: 607.45 ft  
 North: 1011409.66 ft  
 East: 1115202.28 ft  
 Station: 306+31.15  
 Office: 44-50 LT

Profile Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)	Profile	Elevation (ft)	SOIL AND ROCK DESCRIPTION	Depth (ft)	Sample Type	Sample No.	SPT Values (blows/ft)	Moisture Content (%)
607.45	14-inch thick ASPHALT	0						607.45						
607.45	PAVEMENT	0						607.45						
607.45	4-inch CRUSHED STONE	0						607.45						
607.45	BASE COURSE	0						607.45						
607.45	Stiff to hard, brown SILTY CLAY, trace to little gravel	0						607.45						
607.45	FILL	0						607.45						
607.45		1			5	2.00		607.45						
607.45		2			5	1.50		607.45						
607.45		3			5	1.50		607.45						
607.45		4			5	1.50		607.45						
607.45		5			5	1.50		607.45						
607.45		6			5	1.50		607.45						
607.45		7			5	1.50		607.45						
607.45		8			5	1.50		607.45						
607.45		9			5	1.50		607.45						
607.45		10			5	1.50		607.45						

GENERAL NOTES				WATER LEVEL DATA			
Begin Drilling	10-13-2010	Complete Drilling	10-13-2010	Water Drilling		DRY	
Drilling Contractor	K&S	Drill Rig	D-50 TMR	At Completion of Drilling		DRY	
Driller	T&M	Logger	B. Wilson	Time After Drilling		NA	
Drilling Method	3.25" IDA HSA, Boring backfilled upon completion	Checked by	C. Marin	Depth to Water		NA	

**URS**  
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FILE NAME: 01G2006-00M62-019-bor.dgn	USER NAME: arsalan.khan	DESIGNED: WEI	REVISED: 04/12/2013 P.M.H.	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SOIL BORINGS 10 STRUCTURE NO. 016-2006</b>	F.A.P. RTE. 330	SECTION 103R-5	COUNTY COOK	TOTAL SHEETS 778	SHEET NO. 459	
PLOT SCALE: 0.2,0000 1" = 10'						SHEET NO. 19 OF 21 SHEETS		CONTRACT NO. 60M62			
PLOT DATE: 4/11/2013						ILLINOIS FED. AID PROJECT					
CHECKED: AMK											