Illinois Department of Transportation
Division of Highways
S.A.M. Consultants, Inc.

SOIL BORING LOG

Page 3 of 3

Date 5/24/07

ROUTE Thompson Road DESCRIPTION Bridge over Nippersink Creek LOGGED BY Al Rahman

SECTION Wonder Lake, Illinois LOCATION McHenry County, SEC. 12, TWP. T45N, RNG. R7E

COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3066
Station

BORING NO. SB-2
Station 206+14
Offset 7.00ft R
Ground Surface Elev. 819.50 ft

Surface Water Elev. 86.00 ft
Stream Bed Elev. 64.00 ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray SILTY LOAM, loose to dense (A-3) *(continued)*					
			4		
			6		
			8		20.7
			4		
			5		
		35	12		
			4		
			5		
			5		21.7
			5		
		-90	5		23.6
			3		
			5		
			6		
		-95	2		
			6		23.1
	723.00		8		
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

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COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3066
Station

BORING NO. SB-3
Station 205+47
Offset 6.50ft R
Ground Surface Elev. 821.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 811.7 ft ▽
Upon Completion 807.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Approximately 4 inches of ASPHALT	821.19				
FILL: Brown SANDY CLAY LOAM, with gravel (A-3)			7		
			7		6.0
			7		
			3		
			7	1.6	9.4
		-5	8	B	
			7		
			8	3.1	17.6
	814.50		8	B	
Black SILTY CLAY, stiff (Buried topsoil) (A-7)					
	813.50				
Brown SANDY LOAM, with gravel, medium dense (A-2)			6		
			6		9.2
		▼-10	9		
			7		
			8		12.0
	809.50		22		
Brown SANDY CLAY, with gravel, very soft to medium stiff (A-6)					
			4		
		▽	4	0.9	9.2
		-15	3	B	
			2		
			2		13.6
			4		
			3		
			2	0.8	10.1
		-20	4	B	
Brown SANDY CLAY, with gravel, very soft to medium stiff (A-6) *(continued)*			1		
			2	0.2	9.8
			2	B	
	799.50				
Purplish gray SILTY CLAY, stiff to very stiff (A-6)			4		
			5	1.3	11.4
		-30	9	B	
			3		
			5	1.8	13.0
			8	B	
			4		
			4	1.3	11.7
		-35	7	B	
			4		
			6	2.0	13.0
			10	B	
	786.00				
Purplish gray CLAY, with gravel, very stiff (A-4)			5		
			6	2.3	12.7
		-35	12	B	
			3		
			7	2.6	11.6
			13	B	
			5		
			7	2.3	10.9
		-40	12	B	

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY McHenry DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 056-3066
Station

BORING NO. SB-3
Station 205+47
Offset 6.50ft R
Ground Surface Elev. 821.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 811.7 ft ▽
Upon Completion 807.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Purplish gray CLAY, with gravel, very stiff (A-4) *(continued)*					
			5		
			9	1.9	11.7
			10	B	
	778.50				
Brown SILTY CLAY, with gravel, stiff to hard (A-4)			9		
			12	2.8	10.9
		-40	10	B	
			6		
			12	1.8	11.4
			14	B	
			6		
			18	2.2	11.3
		-50	16	B	
			7		
			11	2.7	11.9
			17	B	
			8		
			12	7.7	10.3
		-55	22	B	
			8		
			9	4.8	10.1
			22	B	
			11		
			16	5.2	10.4
		-60	24	B	
Brown SILTY CLAY, with gravel, stiff to hard (A-4) *(continued)*					
			10		
			10	6.3	9.9
			25	B	
	758.50				
Gray SANDY LOAM, very dense (A-3)			23		
			27		10.7
	755.50	-65	25		

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BBS, from 137 (Rev. 8-99)

SOIL BORING LOGS

THOMPSON ROAD
OVER NIPPERSINK CREEK
SECTION NO. 06-00005-00-BR
McHENRY COUNTY
STATION 206+30.48
STRUCTURE NO. 056-6006

DATE: 11/18/09

DESIGNED	MGH/JPG
CHECKED	KMA
DRAWN	WJH
CHECKED	RGD

FILE NAME: 080561.Bor02.dgn
PLOT DRAWN: 10/30/2009
PEN TABLE: standard-trans.tbl

Illinois Professional Design Firm # 184-000108
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• Engineering • Surveying • Planning • Landscape Architecture
420 N. Front Street, McHenry, IL 60050
t. 815.385.1778 f. 815.385.1781
www.secgroupinc.com
• McHenry, IL • Yorkville, IL • New Lenox, IL • Chicago, IL

SHEET NO. S-25
S-25 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4081	06-00005-00-BR	McHENRY	45	36
		CONTRACT NO. 63409		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		