Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 9/11/07

ROUTE FAP 823 (FR 03.340) DESCRIPTION Wanboro Lake Overflow LOGGED BY E. Sandschafer

SECTION 21B-1 LOCATION E 1/2, SEC. 3, TWP. 2 S, RNG. 10 E, 3 PM

COUNTY Edwards DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 024-0007
Station 33+04

BORING NO. 1
Station 32+72
Offset 6.00ft Rt
Ground Surface Elev. 440.05 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 428.18 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 48 Hrs. 426.1 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4" asphalt on 7" concrete pavement.	439.15				
Tan, CLAY w/brick fragments.			2		
	437.05		3	+4.5	11
Hard, damp, gray, CLAY LOAM TILL.			6	PP	
	435.55				
Stiff, damp, dark brown, SILTY LOAM.		-5	4		
			4	1.2	23
			4	PP	
	433.05				
Stiff, damp, brown marbled red, LOAM TILL.			3		
			2	1.8	21
			4	PP	
	430.05	-10	4		
Very stiff, moist, brown to gray, SANDY CLAY SHALE.			5	3.9	15
			20	S	
			16		
			50	4.4	8
			502"	S	
		-15	32		
			503"		7
			502"		
			505"		
	422.35		502"		6
Extent of exploration.			501"		
		-20			

Benchmark: BM 2 Chiseled Square on NE wingwall of existing structure, 21.5' Rt Sta 32+94 = 440.39' elevation. Provided by Program Development.

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)

Latitude W 88 deg 04.576 min, Longitude N 38 deg 22.955 min, Map Datum WGS 84

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SECTION 21B-1 LOCATION E 1/2, SEC. 3, TWP. 2 S, RNG. 10 E, 3 PM

COUNTY Edwards DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 024-0007
Station 33+04

BORING NO. 2
Station 33+31
Offset 7.00ft Lt
Ground Surface Elev. 439.98 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 428.18 ft

Groundwater Elev.:
First Encounter Dry ft
Upon Completion Dry ft
After 48 Hrs. 427.5 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.5" asphalt on 7" concrete pavement.	439.08				
Stiff, damp, red, SANDY CLAY.			2		
			8	1.2	10
			16	B	
	435.48				
Medium, damp, red & gray, SANDY LOAM.		-5	2		
			2	0.8	10
			3	S	
			2		
			5	0.9	16
			5	S	
	430.48				
Stiff, damp, red marbled gray, SANDY CLAY.		-10	2		
			4	1.2	20
			5	B	
			3		
			4	0.7	23
			5	B	
	424.98	-15	11		
Hard, moist, gray & brown, SANDY CLAY SHALE.			22	5.3	11
			38	BS	
			505"		
	422.38		501"		6
Extent of exploration.			501"		
		-20			

Benchmark: BM 2 Chiseled Square on NE wingwall of existing structure, 21.5' Rt Sta 32+94 = 440.39' elevation. Provided by Program Development.

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BBS, from 137 (Rev. 8-99)

Latitude W 88 deg 04.688 min, Longitude N 38 deg 22.955 min, Map Datum WGS 84

FILE NAME = c:\pw_work\pwidot\steffenmk\dms52291\D774213-sht-borelog.dgn	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS	F.A.P. RTE. 823	SECTION 21B-1	COUNTY Edwards	TOTAL SHEETS 24	SHEET NO. 12
		DRAWN -	REVISED -					CONTRACT NO. 74213		
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		
	PLOT DATE = 3/19/2009	DATE -	REVISED -							