Illinois Department of Transportation
Division of Highways
Groff Testing Corporation

SOIL BORING LOG

Page 1 of 2

Date 7/29/08

ROUTE C.H. 26 DESCRIPTION Bridge over Tributary LOGGED BY RRG

SECTION 09-00106-00-BR LOCATION 150N, 1500E, SEC. 27, TWP. T32N, RNG. R9E, 3rd PM

COUNTY FORD DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140 lb Auto

STRUCT. NO. 027-3035
Station 0+00

BORING NO. B-1
Station 8' S. of S. Abut.
Offset 8.00ft W. CL Rdwy.
Ground Surface Elev. 99.6 (98.4) ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Bituminous Concrete Surface = 4.0" (98.1)	98.30				
Base Course = 6.0" (97.5)	98.70				
Medium Stiff Black SILTY CLAY - FILL			2 2 2	0.7 P	12.7
(95.4)	96.60				
Stiff Dark Yellow Brown to Yellow Brown SILTY CLAY		-5	2 2 3	1.6 B	26.8
			2 2 2	1.2 B	23.2
(89.9)	91.10				
Very Stiff Brown SILTY CLAY, trace sand & gravel			2 4 7	3.3 B	15.1
(87.4)	88.60	-10			
Hard to Stiff Gray SILTY CLAY, trace sand & gravel			5 9 9	4.1 B	16.4
			5 8 9	4.1 B	20.3
		-15			
			3 4 6	3.3 B	19.7
			4 5 8	3.5 B	20.8
		-20			
Hard to Stiff Gray SILTY CLAY, trace sand & gravel (continued)			3 4 5	3.0 B	19.7
			3 5 3	2.5 B	14.4
		-25			
			3 4 5	2.8 B	15.0
			3 4 4	2.5 B	18.0
		-30			
			3 5 6	3.2 B	16.2
		-35			
			3 3 3	2.2 B	17.5
		-40			

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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Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard to Stiff Gray SILTY CLAY, trace sand & gravel (continued)			5		
(54.4)	55.60				
Hard Gray SILTY CLAY, trace sand & gravel		-45	7 10	4.9 B	10.1
			3 5 6	3.5 B	16.5
(48.4)	49.60	-50			
End of Boring		-55			
		-60			

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)

BORING 1

BORINGS
STRUCTURE NO. 027-3438

DESIGNED	A.S.L.
CHECKED	M.G.B.
DRAWN	D.T.M.
CHECKED	D.A.B.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 07.0432.130 DATE: 03/31/09

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	09-00106-00-BR	FORD	32	21
		CONTRACT NO. 87411		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		