Illinois Department of Transportation
Division of Highways
Groff Testing Corporation

SOIL BORING LOG

Page 1 of 2

Date 7/28/06

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

SECTION 09-00107-00-BR LOCATION 120N, 1600E, SEC. 27, TWP. T32N, RNG. R9E, 3rd PM

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

STRUCT. NO. 027-3036
Station 0+00

BORING NO. B-2
Station 10' N. of N. Abut.
Offset 12.00ft E. CL Rdwy
Ground Surface Elev. 99.6 (97.5) 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" (97.2)	99.30				
Base Course = 6.0" (96.6)	98.70				
Stiff Black SILTY CLAY - FILL			2		
			2 3	1.0 P	21.9
			1		
			2 3	1.2 P	23.2
		-5			
Stiff Yellow Brown SILTY CLAY (91.5)	93.60		2		
			1 3	2.0 B	20.0
			1		
			2 4	2.2 B	18.4
		-10			
Hard to Stiff Gray SILTY CLAY, trace sand & gravel (86.5)	88.60		3		
			5 5	1.9 B	18.3
			3		
			5 7	4.1 B	12.6
		+15			
			3		
			4 7	3.5 B	14.6
			3		
		-20	4 5	2.0 B	16.4
Hard to Stiff Gray SILTY CLAY, trace sand & gravel *(continued)*			3		
			4 4	2.5 B	18.0
			2		
		-25	2 5	2.5 B	20.8
			2		
			3 4	2.1 B	19.2
			3		
		-30	4 4	2.2 B	18.0
Firm Gray Fine SAND - moist (64.5)	66.60				
			4		
Firm Gray SILT - very moist (63.0)	65.10	-35	6 4		19.6
Very Stiff to Hard Gray SILTY CLAY, trace sand & gravel (61.5)	63.60				
			3		
		-40	4 5	3.5 P	15.2

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 (%)
Very Stiff to Hard Gray SILTY CLAY, trace sand & gravel *(continued)*					
			5		
		-45	7 12	5.3 B	13.0
			5		
		-50	8 13	5.6 B	13.1
End of Boring (47.5)	49.60				
		-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)

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

BORING 2

BORINGS
STRUCTURE NO. 027-3439

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 07.0435.130 DATE: 03/31/09

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	09-00107-00-BR	FORD	32	32
		CONTRACT NO. 87411		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		