Illinois Department of Transportation
Division of Highways
Groff Testing Corporation

SOIL BORING LOG

Date 7/28/08

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-2
Station 8' N. of N. Abut.
Offset 8.00ft E. CL Rdwy.
Ground Surface Elev. 99.6 (98.3) ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
99.20				Bituminous Concrete Surface = 4.5" (97.9)
98.70				Base Course = 5.5" (97.4)
	2			Stiff Black SILTY CLAY - FILL
	3 4	1 P	30.0	
(95.3) 96.60				
	2			Dark Yellow Brown to Yellow Brown SILTY CLAY
-5	2 3	1.5 B	26.7	
	1			
	2 2	1.0 P	24.5	
	3			
-10	5 5	3.5 B	18.1	
(87.3) 88.60				
	4			Hard to Very Stiff Gray SILTY CLAY, trace sand & gravel
	8 10	5.7 B	18.4	
	5			
-15	9 12	6.5 B	16.3	
	4			
	5 8	4.4 B	14.5	
	3			
-20	5 7	3.6 B	16.8	
				Hard to Very Stiff Gray SILTY CLAY, trace sand & gravel *(continued)*
	4			
	5 5	3.5 B	16.7	
	3			
-25	4 5	3.2 B	15.8	
	3			
	4 5	3.0 B	17.7	
	3			
-30	4 4	2.5 B	18.2	
	2			
-35	6 5	3.3 B	16.1	
	3			
-40	3 5	2.5 B	17.6	

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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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Description
				Hard to Very Stiff Gray SILTY CLAY, trace sand & gravel *(continued)*
	4			
(53.5) 54.60 -45	5 9	4.9 B	11.7	
				Hard Gray SILTY CLAY, trace sand & gravel
	5			
(48.3) 49.60 -50	7 10	5.6 B	10.7	
				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)

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

BORING 2

BORINGS
STRUCTURE NO. 027-3438

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	22
		CONTRACT NO. 87411		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		