



Illinois Department of Transportation
Division of Highways
Geotechnical Engineering

SOIL BORING LOG

Page 1 of 2

Date 7/28/08

ROUTE C.H. 26 DESCRIPTION Bridge over Tributary LOGGED BY RRG
SECTION 09-00107-00-BR LOCATION 120N, 1500E, SEC. 27, TWP. T32N, 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-1
Station 10' S. of S. Abut.
Offset 8.00ft W. CL Rdwy
Ground Surface Elev. 99.7(97.8) ft

DEPTH (ft)	BLOW COUNT (SPT)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Description	DEPTH (ft)	BLOW COUNT (SPT)	UNIFORMITY COEFFICIENT (Cu)	MOISTURE (%)	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:
									ft	ft	ft
0				Black SILTY CLAY - FILL	0						83.7 ft
1			22.8		1						83.7 ft
2					2						83.7 ft
(94.8) 96.70											
0				Stiff Yellow Brown SILTY CLAY	0						
1			21.7		1						
2	2.0				2	2.6					
3	P				3	B					
4			26.3		4						
5					5						
6	2.2		15.9		6	3.4					
7	P				7	B					
(86.8) 86.70											
0				Hard to Stiff Gray SILTY CLAY, trace sand & gravel	0						
1			12.7		1						
2					2						
3			10.2		3						
4					4	3.5					
5					5	B					
6	4.7		12.5		6						
7					7						
8			13.4		8						
9					9	3.8					
10					10	B					

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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									ft	ft	ft
0				Hard to Stiff Gray SILTY CLAY, trace sand & gravel (continued)	0						83.7 ft
1					1						83.7 ft
2					2						83.7 ft
(55.8) 57.70											
0				Hard Gray SILTY CLAY, trace sand & gravel	0						
1			12.7		1	5.1					
2					2						
3					3						
4			17.9		4						
5					5						
6			15.9		6	3.4					
7					7	B					
8					8						
9			12.0		9	6.1					
10					10						
(47.8) 49.70											
11				End of Boring	11						
12					12	B					

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BBS, from 137 (Rev. 8-99)

BORING 1

BORINGS
STRUCTURE NO. 027-3439

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

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 07-0486-130 DATE: 03/31/09

F.A.S.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
340	09-00107-00-BR	FORD	32	31
CONTRACT NO. 87411				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		