STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Illinois Department of Transportation

Page 1 of 3 — Date 9/1/05

ROUTE SBI-115 (IL 115) DESCRIPTION IL 115 over Drainage Ditch LOGGED BY LM-IDOT

SECTION 105-B LOCATION SW 1/4, SEC. 9, TWP. 28N, RNG. 09E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-0033
Station 1345+92

BORING NO. #2: SE Quad
Station 1346+27
Offset 33.00ft Lt
Ground Surface Elev. 674.44 ft

Surface Water Elev. 665.99 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 665.4 ft ▼
Upon Completion 664.9 ft ▽
After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, brown, Silty Clay Loam with Gravel pieces- fill					
	672.44				
Hard, brown, Silty Clay Loam- fill			5		
			4	4.0	18.4
			4	P	
	669.94				
Very stiff, yellow brown, Silty Clay Loam- loess		-5	3		
			3	3.8	18.9
			3	P	
			1		
			1		
			1		
	665.44 ▼ ▽				
Medium, brown, fine, Sand to coarse, Gravel- Loamy, with free water		-10	5		
			11		10.5
			12		
			5		
			6		16.4
			6		
		-15	6		
	658.94		7		14.5
Very stiff, gray, Silty Clay Loam Till			6	3.3	17.0
	657.94			P	
Stiff to medium, gray, Silty Clay Loam Till with pockets of Sand and Gravel at 19'			3		
			5	1.9	17.1
Silt layers and pockets at 28'			5	B	
		-20	4		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to medium, gray, Silty Clay Loam Till with pockets of Sand and Gravel at 19' *(continued)*			3	1.9	15.9
			6	B	
Silt layers and pockets at 28' *(continued)*			3		
			3	0.8	16.6
			3	B	
		-25	3		
			5	1.9	15.0
			8	B	
			3		
			5	1.6	18.5
			7	B	
	645.44				
Very stiff to stiff, gray, Silty Clay Till		-30	5		
			5	2.2	21.2
			6	S	
			2		
			3	1.6	22.9
			5	B	
	640.44				
Very stiff to stiff, gray, Silty Clay Loam Till with layers of Silt and Silty Clay		-35	2		
			10	2.4	15.8
			10	S	
		-40	3		

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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After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff to stiff, gray, Silty Clay Loam Till with layers of Silt and Silty Clay *(continued)*			5	1.6	14.1
			7	B	
		-45	3		
			7	2.2	15.4
			10	B	
	626.44				
Stiff, gray, Silty Clay Loam Till					
		-50	3		
			4	1.2	16.9
			6	B	
		-55	2		
			5	1.5	19.9
			7	B	
		-60	4		

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, gray, Silty Clay Loam Till *(continued)*			4	1.7	21.0
			7	B	
	611.44				
Stiff, gray, Silty Clay					
		-65	2		
			4	1.0	24.6
			5	S	
	604.94				
Stiff, gray, Silty Clay Loam Till with layers of Silty Clay		-70	5		
			5	1.9	15.3
			5	S	
	599.44	-75	12		18.9
Hard, gray, Silty Clay Loam Till with layers of Clay and Silt at 86'			15	5.8	11.7
			22	S	
		-80	12		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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After ___ Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard, gray, Silty Clay Loam Till with layers of Clay and Silt at 86' *(continued)*			19	>4.5	12.9
			25	P	
		-85	12		
			18	4.2	15.5
			22	S	
	588.44				
End of Boring					
		-90			
		-95			
		-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

DESIGNED -	MRB
CHECKED -	KWS
DRAWN -	VH
CHECKED -	MRB

benesch
alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3938.02

SOIL BORING LOGS 2 OF 2
STRUCTURE NO. 027-0097

	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEET NO. S22	796	104 I & 105 BR-1	FORD	51	36
SHEETS S22			CONTRACT NO. 66848		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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