STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING B-1 (Page 1 of 2)

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 2/24/09

ROUTE FA-796 (IL 115) DESCRIPTION IL 115 over Drainage Ditch LOGGED BY L. Myers

SECTION 106 BR-3 LOCATION East 1/2, SEC. 17, TWP. 27N, RNG. 9E, 3rd PM

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027- (Prop.) 027-0075 (Exist.)
Station 1711+37.39

BORING NO. 1 (S. Abut.)
Station 1711+79
Offset 14.00ft Lt.
Ground Surface Elev. 657.2 ft

Surface Water Elev. 643.15 ft
Stream Bed Elev. 642.43 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 643.2 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered Bit, Shldr. with CA6 fill & Gray/Green Silty Clay Fill			
652.20 -5			
Very Stiff Brown/Gray Silty Clay Loess	3		
	3 4	2.5 P	25.1
	2		
	3 4	2.0 P	25.7
647.20 -10			
Hard Brown Silty Clay Loam Till	1		
	4 5	4.0 S	20.0
642.20			
Hard Gray Silty Clay Loam Till	5		
▽	7 11	4.8 S	17.0
-15			
	5		
	8 13	5.8 S	17.6
	3		
	3 7	4.9 S	20.9
637.12 -20			
Very Stiff Brownish Gray Clay Loam Till *(continued)*	2		
	3 5	2.5 P	15.1
634.70			
Medium Brown Fine Sand & Silt	5		
	9 10		18.6
-25			
	9		
	14 14		18.6
626.70			
Hard Gray Silt with Minor layers of Fine Sand	9		
	14 27	4.5 P	19.3
627.70 -30			
Hard Brittle Gray Silt Loam Till with layers of Very Dense Gray Silt	21		
	34 41	8.7 S	13.2
624.70			
Hard Gray Silty Clay Loam Till	8		
	15 21	4.2 S	13.4
-35			
	8		
	12 14	4.8 S	14.3
	7		
	9 12	5.8 S	13.5
-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)

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Surface Water Elev. 643.15 ft
Stream Bed Elev. 642.45 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 643.2 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay Loam Till *(continued)*	5		
	7 11	5.6 S	13.2
615.20			
Medium to Dense Gray Fine to Coarse Gravel	5		
	12 17		13.2
-45			
	7		
	14 22		13.3
610.20			
Hard Brown Silty Clay Loam Till	22		
	28 37	11 S	8.8
607.70			
Very Dense Gray Fine Sand to Coarse Gravel with Minor layers of Silty Clay Loam Till -50	61		
	55 45		14.4
605.20			
Dense interbedded layers of Fine, Medium, Coarse Sand, Silt, Sandy Clay Loam Till, Sandy Gravel	16		
	22 24		18.1
603.20			
End of Boring -55			

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)

ZROKA engineering
Zroka Engineering, P.C.
4216 North Hermitage
Chicago, IL 60613

DESIGNED	LAS
CHECKED	JLA
DRAWN	SAW
CHECKED	LAS

BORING LOGS 1
STRUCTURE NO. 027-0099

SHEET NO. 20 OF 21 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	796	(106)BR-3	FORD	48	31
	SN 027-0099		CONTRACT NO. 66916		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		