STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

DATE 10/24/07

ROUTE FAP 796 (IL 115) DESCRIPTION IL 115 over stream LOGGED BY Larry Myers

SECTION 104 LOCATION SW 1/4, SEC. 33, TWP. 29, RNG. 9E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-2501 WEATHER COND. Sunny/Windy TEMP. 45°
Station 1255+50

BORING NO. #1:
Station 1255+50
Offset 45.00ft Lt
Longitude/Northing
Latitude/Easting
Ground Surface Elev. 694.24 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay Loam-topsoil, fill				
691.74				
Hard, black, Silty Clay Loam to Silty Clay- topsoil, fill		5		
		6	4.0	24.6
		6	P	
690.24				
Very stiff, gray brown, Silty Clay, Clay and Sand- backwater deposits	-5			
		4		
		3	2.0	28.4
		3	P	
		2		
		3	2.0	33.6
		3	P	
684.24	-10			
Hard, brown, Silty Clay Loam Till		4		
		6	4.3	16.0
		8	S	
682.24				
Very stiff, gray, Silty Clay Loam Till with layers of gray, Silt and Silty Loam at 20'-22'		3		
		4	3.1	16.2
		6	S	
	-15			
		4		
		5	3.3	14.6
		6	S	
		3		
		4	3.3	15.1
		5	S	
	-20			

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, gray, Silty Clay Loam Till with layers of gray, Silt and Silty Loam at 20'-22' *(continued)*		2		
		3	2.1	20.3
		4	S	
	-25			
		4		
		6	3.3	15.3
		7	S	
	-30			
		3		
		5	3.0	15.6
		6	S	
	-35			
		4		
		5	3.1	17.0
657.74		7	S	
End of Boring				
	-40			

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)

Northing & Easting are in Illinois State Plan Coordinates (ISPC), East Zone.
Longitude & Latitude are in North American Datum (NAD) 83, Decimal Degree.

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SOIL BORING LOG

Page 1 of 1

DATE 10/24/07

ROUTE FAP 796 (IL 115) DESCRIPTION IL 115 over stream LOGGED BY Larry Myers

SECTION 104 LOCATION SE 1/4, SEC. 32, TWP. 29, RNG. 9E

COUNTY Ford DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 027-2501 WEATHER COND. Sunny/Windy TEMP. 45°
Station 1255+50

BORING NO. #2:
Station 1255+72
Offset 30.00ft Rt
Longitude/Northing
Latitude/Easting
Ground Surface Elev. 690.79 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered, black, Silty Clay Loam-topsoil				
688.79				
Hard, brown, Silty Clay to Clay		4		
		5	4.0	24.8
		7	P	
	-5	5		
		7	4.4	23.6
		8	S	
684.29				
Very stiff, brownish gray, Silty Clay Loam Till with Silty Loam layers		3		
		4	3.2	16.4
		5	S	
	-10	3		
		4	3.2	16.6
		5	S	
679.29				
Very stiff, gray, Silty Clay Loam Till		3		
		4	3.2	18.7
		5	S	
676.79				
Very stiff, gray, Clay Loam to Loam with pockets of fine, Sand and Silt	-15	3		
		4	3.0	14.3
		5	S	
		1		
		4	2.7	15.1
		5	S	
671.79				
	-20	1		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, gray, Silty Clay Loam Till with minor pockets of Loam at 19'-20' *(continued)*		2	2.1	20.5
		4	B	
		2		
		3	2.1	17.0
		4	B	
	-25	3		
		4	2.2	11.4
		5	B	
		3		
		4	2.1	16.5
		5	B	
	-30	3		
		4	2.1	16.6
		5	B	
	-35	3		
		4	2.2	15.1
654.79		5	B	
End of Boring				
	-40			

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)

Northing & Easting are in Illinois State Plan Coordinates (ISPC), East Zone.
Longitude & Latitude are in North American Datum (NAD) 83, Decimal Degree.

DESIGNED -	JDC
CHECKED -	MFB
DRAWN -	JDC
CHECKED -	MFB

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205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450
Job # 3938.02

SOIL BORING LOGS
STRUCTURE NO. 027-2551

SHEET NO. S7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SHEETS S7	796	104 I & 105 BR-1	FORD	51	43
			CONTRACT NO. 66848		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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