STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/16/08

ROUTE FAP 116 (IL 130) DESCRIPTION Lost Creek LOGGED BY E. Sandschafer

SECTION (112BR1)B LOCATION SE 1/4, SEC. 25, TWP. 10 N, RNG. 9 E, 3 PM

COUNTY Cumberland DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 018-0059
Station 375+54

BORING NO. 2
Station 376+66
Offset 10.00ft Rt
Ground Surface Elev. 540.63 ft

Surface Water Elev. 526.54 ft
Stream Bed Elev. 523.81 ft

Groundwater Elev.:
First Encounter 506.1 ft
Upon Completion 526.6 ft
After 24 Hrs. 528.1 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
13" asphalt pavement. 539.53			
Medium to stiff, damp, brown, CLAY.	3		
	3 6	1.0 B	10
536.13			
-5 Hard, damp, gray, CLAY LOAM TILL.	3		
	4 4	+4.5 PP	7
533.63			
Medium, damp, gray w/ red layers, SANDY CLAY.	2		
	3 5	0.9 S	10
530.63 -10	1		
Soft to medium, damp, brown, SANDY LOAM.	1 2	0.5 S	19
528.63			
Soft, very damp, brown marbled gray, SILTY LOAM.	0		
	1 1	0.3 B	20
526.63			
-15 Very soft, very damp, gray, SANDY LOAM.	1		
	1 1	0.1 S	24
523.13	0		
Very soft, very damp, gray, SILTY LOAM.	0 0	0.1 B	41
521.13 -20	0		
Very soft, very damp, gray, very sticky, SILT. *(continued)*	0 0	0.1 B	41
	0		
	0 0	0.1 B	49
-25	0		
	0 0	0.3 B	30
513.63			
Medium, damp, gray, SILTY CLAY.	0		
	3 2	0.7 B	33
511.13 -30	0		
Very soft, very damp, gray, SILTY LOAM.	0 0	0.1 B	21
506.13 -35	5		
No recovery this trip, possible cobble in front of sampler.	6 7		
500.63 -40	5		

Latitude W 88 deg 08.747 min, Longitude N 39 deg 15.482 min, Map Datum WGS 84

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 (%)
Stiff, damp, gray, CLAY.	5 8	1.6 B	21
496.13			
-45 Stiff, damp, gray, CLAY TILL.	5		
	7 12	2.6 B	20
-50	14		
	14 10	1.9 B	21
-55			
481.13 -60	43		
Very dense, moist, dark gray, SANDY CLAY SHALE. *(continued)* 480.03	50/3" 50/4"		8
Extent of exploration.			
Note: Augered additional 3' in rock to depth 63.6', no change in material.			
Benchmark: BM 609 chiseled square on SW wingwall of existing structure, Sta 376+50 19' Rt = 540.58' elevation. Provided by Program Develepment.			
-65			
-70			
-75			
-80			

Latitude W 88 deg 08.747 min, Longitude N 39 deg 15.482 min, Map Datum WGS 84

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BBS, from 137 (Rev. 8-99)

DESIGNED	SCD
CHECKED	DRB
DRAWN	THW
CHECKED	SCD

ie consultants
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SOIL BORINGS
S.N. 018-0064

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
33 OF 33 SHEETS	116	(112BR1)B	CUMBERLAND	72	64
			CONTRACT NO. 74236		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		