STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 328	*	CLAY	109	17
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT - A30	

SHEET NO. 5
6 SHEETS

Contract #74107 *(6BR-DB-1

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 6/19/07

ROUTE FAP 328 (US 45) DESCRIPTION Grove Creek LOGGED BY E. Sandschafer

SECTION (6BR1)B-1 LOCATION Sec 34 - NE 1/4, Sec 35 - NW 1/4, SEC. , TWP. 4 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 013-0011
Station 1413+73

BORING NO. 1
Station 1413+05
Offset 11.00ft Rt
Ground Surface Elev. 466.83 ft

Surface Water Elev. 473.43 ft
Stream Bed Elev. 471.31 ft

Groundwater Elev.:
First Encounter 458.4 ft
Upon Completion 458.8 ft
After 24 Hrs. 459.0 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
4.5" asphalt on 10" concrete pavement.	465.63				
Medium to stiff, damp, brown, CLAY.	463.83		2		
			2	1.0	21
			3	B	
Very soft, very damp, gray, SANDY LOAM.		-5	0		
			0	0.2	27
			1	B	
			3		
			3	0.3	15
	458.43		5	S	
Brown, fine grained, SAND.	457.33				
Medium, damp, gray, SANDY LOAM.		-10	1		
			5	0.8	19
	456.03		5	B	
Gray, fine grained, SAND.	454.83				
Gray, SANDY LOAM.			1		
Stiff, damp, dark gray, SILTY CLAY.	454.43		3	1.1	24
			4	B	
	451.83	-15	50/5"		
Very dense, moist, black, SILTY CLAY SHALE. *Samples pokerchipped.*			50/2"		7
			50/1"		
			50/5"		
	449.03		50/3"		9
Extent of exploration.			50/1"		
		-20			

Benchmark: BM 131 chiseled square on top of footing of approach slab at SE corner of existing structure 013-0011 = 465.00' elevation. Provided by Program Development.

-25 -30 -35 -40

Latitude W 88 deg 30.477 min, Longitude N 38 deg 44.875 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)

Illinois Department of Transportation
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SOIL BORING LOG

Page 1 of 1

Date 6/19/07

ROUTE FAP 328 (US 45) DESCRIPTION Grove Creek LOGGED BY E. Sandschafer

SECTION (6BR1) B-1 LOCATION Sec 34 - NE 1/4, Sec 35 - NW 1/4, SEC. , TWP. 4 N, RNG. 6 E, 3 PM

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

STRUCT. NO. 013-0011
Station 1413+73

BORING NO. 2
Station 1413+86
Offset 11.00ft Lt
Ground Surface Elev. 466.90 ft

Surface Water Elev. 473.43 ft
Stream Bed Elev. 471.31 ft

Groundwater Elev.:
First Encounter 456.4 ft
Upon Completion 458.9 ft
After 24 Hrs. 460.1 ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
17" asphalt.	465.50				
Stiff, damp, brown marbled red, SILTY CLAY.			0		
			3	1.1	23
			2	B	
	462.40				
Very soft, very damp, gray, SILTY LOAM.		-5	0		
			0	0.1	21
	461.20		50/5"	B	
Very dense, powdered, estimated CONCRETE or flowable fill.					
			42		
	458.90		16		14
Soft, damp, gray, SILTY LOAM.			7		
		-10	2		
	456.40		6	0.3	23
Gray, SANDY LOAM.			4	B	
	454.90				
Medium, very moist, dark gray, SILTY CLAY.			2		
			4		9
	453.70		15		
Very dense, moist, gray, SILTY CLAY SHALE.					
		-15	46		
	451.80		50/2"		7
Extent of exploration.			50/1"		
		-20			

Benchmark: BM 131 chiseled square on top of footing of approach slab at SE corner of existing structure 013-0011 = 465.00' elevation. Provided by Program Development.

Latitude W 88 deg 30.477 min, Longitude N 38 deg 44.875 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)

ESCA CONSULTANTS, INC.

DESIGNED BY:	FMA	02/08
DRAWN BY:	CJ	02/08
CHECKED BY:	ELH	05/08
APPROVED BY:	RDP	08/08

SOIL BORING LOGS
US 45 OVER GROVE CREEK
FAP ROUTE 328 - SECTION (6BR-1)B-1
CLAY COUNTY
STATION 1413+68.00
STRUCTURE NO. 013-2009