Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1

Date 5/3/00

ROUTE FAS 1780 DESCRIPTION Old U.S. 50 over a tributary of Shoal Creek, east of Breese LOGGED BY Larry Ford

SECTION 26-281 LOCATION SW 1/4, SEC. 14, TWP. 2N, RNG. 4W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0032
Station 100+00

BORING NO. 1 W. Abut
Station 100+35
Offset 3.50ft Rt
Ground Surface Elev. 442.67 ft

Surface Water Elev. 433.7 ft
Stream Bed Elev. 433.5 ft

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay LOAM		1		
		1	0.5	
		1	S/10	31
	-5	1		
		1	0.5	
		2	S/5	28
436.2				
Gray Clay LOAM		2		
		4	0.9	
		4	S/5	21
	-10	4		
		5	1.2	
		9	S/5	21
430.7				
Brown SAND See Gradation @ 15 ft		5		
		6		
		7	NC	
	-15	1		
		5		
		8	NC	
		4		
		6		
424.2		12	NC	
Gray Clay LOAM	-20	4		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Clay LOAM (continued)		8	6.7	
		15	B	15
		9		
420.2				
Gray Very Weathered SHALE		12	5.4	
		20	S/15	16
	-25	10		
		18	6.2	
		22	B	17
		10		
		17	5.0	
		27	S/15	17
413.2				
Gray SILTSTONE with Shale Lenses	-30	75	2.2 S/5	17
410.7				
Gray SILTSTONE				
407.7	-35	50/2"	NC	10
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)

BBS, from 137 (Rev. 8-99)

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SECTION 26-281 LOCATION SW 1/4, SEC. 14, TWP. 2N, RNG. 4W, 3 PM

COUNTY Clinton DRILLING METHOD Hollow Stem Auger HAMMER TYPE 140# Automatic

STRUCT. NO. 014-0032
Station 100+00

BORING NO. 2 E. Abut
Station 99+75.6
Offset 3.30ft Lt
Ground Surface Elev. 442.57 ft

Surface Water Elev. 433.7 ft
Stream Bed Elev. 433.5 ft

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

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown & Gray Silty Clay LOAM		1		
		1	0.6	
		1	S/5	27
	-5	1		
		1	0.3	
		2	S/10	29
435.6				
Gray Clay LOAM		1		
		3	1.7	
		4	S/10	22
	-10	2		
		5	1.9	
		7	S/5	21
431.1				
Brown SAND See Gradation @ 15 ft		1		
		7		
		7	NC	
	-15	0		
		1		
		4	NC	
		5		
		5		
		23	NC	
423.6				
Gray Silty CLAY	-20	12		

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty CLAY (continued)		14	6.7	
		21	S/20	16
		4		
		9	5.0	
		17	S/15	18
418.6				
Gray Clay LOAM	-25	10		
		16	5.5	
		26	S/15	15
415.1		15	4.8	15
Brown & Gray SILTSTONE with some Shale Lenses		25	S/5	
		46	NC	15
	-30			
		50/5"	NC	16
407.6	-35	50/5"	NC	8
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)

BBS, from 137 (Rev. 8-99)

DESIGNED	B.G.H.
CHECKED	L.D.G.
DRAWN	K.H.L.
CHECKED	B.G.H.

SOIL BORINGS

SHEET NO. 5	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5 SHEETS	1780	06-00016-00-BT	CLINTON	25	19
		S.N. 014-2021	CONTRACT NO. 97416		
	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

05_brng_5648-6.dgn DEC. 30, 2009