Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 2

Date 3/1/02

ROUTE FAP 310 DESCRIPTION US 67 Flyover Structure for IL 255 Ramp B LOGGED BY Larry Ford

SECTION 60-15HB-3 LOCATION , SEC. 15, TWP. 6N, RNG. 10W, 3 PM

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

STRUCT. NO. 060-0332
Station

BORING NO. 3 N. Abut.
Station 21+56
Offset 9.00ft LT BL
Ground Surface Elev. 610.5 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 597.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Silty Clay LOAM			3		
			3	1.3	
			3	S/15	25
		-5	4		
			4	1.5	
	604.5		6	S/15	22
Gray and Brown Clay LOAM			3		
			5	2.4	
			5	S/10	21
		-10	4		
			6	2.9	
			7	S/10	19
			4		
			5	1.9	
		▼	6	S/15	20
		-15	3		
			3	1.2	
			2	S/10	18
			3		
			7	2.6	
			14	S/15	12
		-20			
Gray and Brown Clay LOAM (continued)			7	3.1	
			11	S/15	13
	589.0		16		
Gray Clay LOAM			6		
			7	2.2	
			12	S/15	11
	586.5				
Gray Silty SAND with Silt Lenses		-25	7		
			9		
See Gradation @ 23.0 ft.			12	NC	13
			13		
			16		
			20	NC	12
		-30	12		
			21		
			23	NC	15
		-35	24		
			31		
			40	NC	16
	573.5				
Gray Clay LOAM		-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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Groundwater Elev.:
First Encounter 597.0 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Clay LOAM (continued)			10	6.2	
			18	B	11
			30		
		-45	10		
			18	2.9	
			24	S/15	14
		-50	5		
			9	2.1	
			17	S/15	15
	558.5				
Gray Silty CLAY		-55	6		
			8	3.9	
			16	B	20
		-60			
Gray Silty CLAY (continued)			5	3.6	
			9	S/15	22
			10		
		-65	7		
			11	3.9	
			15	S/10	23
	543.0				
Gray LIMESTONE with Seams (Drilled - Very Hard)					
	541.0		10	NP	
End of Boring		-70			
		-75			
		-80			

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	ADL
CHECKED	WLW
DRAWN	BGJ
CHECKED	WLW

SOIL BORING LOGS
RAMP B OVER FAP RTE 310
SECTION 60-15HB-3
MADISON COUNTY
STATION 17+72.64 (RAMP B)
SN 060-0332

Klingner & Assoc., P.C.

11/10/2008 4:43:51 PM
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