BORING LOGS

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

Date 10/16/03

ROUTE Argo Fay Road DESCRIPTION P92-026-04 Box Culvert, 3.1 miles west of IL 78 LOGGED BY C. Jenkins

SECTION LOCATION York Twp. - NW, SEC. 15, TWP. 23N, RNG. 4E

COUNTY Carroll DRILLING METHOD Hollow Stem Auger HAMMER TYPE C-45

STRUCT. NO. 008-2002
Station

BORING NO. B-1b
Station 13' E. of center of bridge
Offset 13.00ft S. of CL
Ground Surface Elev. 99.70 ft

Surface Water Elev. 91.70 ft
Stream Bed Elev. 89.00 ft

Groundwater Elev.:
First Encounter 85.2 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Pushed sampler 57" with no voids before drilling					
MEDIUM tan GRAVEL above tan SAND	97.70				
VERY LOOSE tan fine SAND			2		
			2		
			2		
	95.70				
MEDIUM brown/gray SILTY LOAM		-5	2		
			2	0.6	23.0
	93.70		2	S	
MEDIUM black SILTY LOAM with ORGANICS			1		
			1	0.9	31.0
	91.20		1	B	
MEDIUM black SANDY LOAM with SAND lenses and ORGANICS		-10	0		
			2	0.5	18.0
			3	S	
	88.20				
LOOSE gray/black fine SAND			2		
			3		
	86.20		4		
		▼			
LOOSE gray fine SAND		-15	2		
			3		
	83.70		3		
MEDIUM gray fine SAND			5		
			6		
	81.20		5		
LOOSE gray fine SAND		-20	1		
LOOSE gray fine SAND (continued)			4		
	78.70		3		
MEDIUM tan SAND & GRAVEL			0		
			5		
	76.20		13		
DENSE tan SAND & GRAVEL		-25	12		
			15		
	73.70		20		
Begin Wash			13		
MEDIUM gray/tan well-cemented SAND & GRAVEL			15		
	71.20		14		
Wash		-30	5		
MEDIUM tan fine SAND			4		
	68.70		6		
Wash					
	65.70				
HARD gray CLAY		-35	3		
			4	4.1	20.0
	63.70		6	S	
Wash			3		
STIFF gray SILTY CLAY			4	1.6	22.0
	61.20		5	S	
HARD gray CLAY		-40	4		

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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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD gray CLAY (continued)			6	4.3	20.0
	58.70		8	B	
Wash			6		
HARD gray SILTY CLAY with a SILT lens			9	4.1	20.0
	56.20		11	B	
End of Boring					
		-45			
		-50			
		-55			
		-60			

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