Illinois Department of Transportation
Division of Highways
IDOT – Dist 5

SOIL BORING LOG

Page 1 of 1

Date 3/17/03

ROUTE FAP 840 (IL-49) DESCRIPTION 2.6 Miles South of US 136 (E) LOGGED BY CNA

SECTION 121BR-1 LOCATION NE, SEC. 23, TWP. 21N, RNG. 14W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0165 (Exist.)
Station 577+74

BORING NO. 2 NW Boring
Station 577+90
Offset 7.5 ft Lt.
Ground Surface Elev. 718.40 ft

Surface Water Elev. 707.90 ft
Stream Bed Elev. 706.60 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown to Black Clay Loam (Backfill)	718.4				
			1		
			1	1.0	24
	713.4	-5	2	B	
Green/Gray Sandy Clay Loam (Backfill)					
			1		
			2	1.2	24
			3	B	
	709.4		1		
Brown Mottled Sandy Clay Loam			1	0.8	27
Trace of Free Water		-10	1	B	
	707.4				
Brown/Gray Clay Loam Till			3		
	706.4		9	8.0	17
Gray Clay Loam Till			5	B	
			3		
			8	8.9	16
		-15	15	B	
			3		
			6	5.8	18
			9	B	
			2		
			4	3.9	19
		-20	6	B	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Clay Loam Till (continued)					
			2		
			4	2.3	21
	693.4	-25	6	B	
End of Boring					
		-30			
		-35			
		-40			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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)

S:\SOIL\BORING LOGS\VERMILION CNTY\70018.GPJ

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ROUTE FAP 840 (IL-49) DESCRIPTION 2.6 Miles South of US 136 (E) LOGGED BY CNA

SECTION 121BR-1 LOCATION NE, SEC. 23, TWP. 21N, RNG. 14W, 2nd PM

COUNTY Vermilion DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 092-0165 (Exist.)
Station 577+74

BORING NO. 1 SE Boring
Station 577+62
Offset 7.5 ft Rt.
Ground Surface Elev. 718.40 ft

Surface Water Elev. 707.90 ft
Stream Bed Elev. 706.60 ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Mottled Clay Loam (Backfill)					
			1		
			1	0.6	32
		-5	2	B	
	712.4				
Black Silty Clay Loam			1		
			2	0.9	25
			3	B	
	710.4				
Brown to Blue/Gray Mottled Clay Loam			1		
			2	2.5	23
		-10	3	B	
	707.4				
Gray/Brown Clay Loam Till			3		
			9	8.7	17
			12	B	
			4		
			9	6.6	16
	703.4	-15	12	B	
Gray Clay Loam Till					
			2		
			5	5.4	18
			10	B	
			3		
			4	3.7	21
		-20	5	B	

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray Clay Loam Till (continued)					
	695.4				
Gray Clay Loam Till with Silt & Sand Loam Seams			1		
			2		20
		-25	4		
			1		
			4		14
	688.4	-30	7		
End of Boring					
		-35			
		-40			

An assumed centerline elevation of 100.00 and station of 10+00 is used when this information is not available.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, E-Estimate)
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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FILE NAME = c:\projects\d502499 (v8)\borings.dgn	USER NAME = collierbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOG DETAIL	F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS / SHEET NO.
		DRAWN -	REVISED -			840	121BR-1	VERMILION	44 / 21
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -					CONTRACT NO. 70018	
	PLOT DATE = 3/12/2008	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	