STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

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Date 3/15/07

ROUTE FAP 308 DESCRIPTION P92-89-05 IL 84 over Duke Creek, north edge of Hanover LOGGED BY M. Jacoby

SECTION 104 BR-1 and 103 BR-3 LOCATION Hanover Twp. - 9NW, SEC. , TWP. 26N, RNG. 2E

COUNTY JoDaviess DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 043-0027
Station 356+55

BORING NO. B-2b
Station 357+02
Offset 12.00ft Rt CL
Ground Surface Elev. 629.90 ft

Surface Water Elev. 618.60 ft
Stream Bed Elev. 617.60 ft

Groundwater Elev.:
First Encounter 619.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
VERY STIFF tan SILTY CLAY	627.40		2		
			5	2.3	24.0
	625.90		6	P	
STIFF tan SILTY CLAY		-5	4		
			7	1.3	10.0
	623.40		4	P	
VERY SOFT gray SILTY CLAY LOAM			1		
			1	0.2	33.0
	620.90		2	P	
STIFF gray SILTY CLAY LOAM		▼-10	5		
			5	1.2	15.0
	618.40		4	B	
MEDIUM gray SILTY CLAY LOAM			2		
			3	0.8	33.0
	615.90		4	P	
MEDIUM dark gray SILTY CLAY		-15	1		
			3	0.8	27.0
	613.40		3	B	
SOFT dark gray SILTY CLAY with ORGANICS			1		
			1	0.3	30.0
	610.90		2	B	
		-20			
SOFT gray SILTY CLAY with ORGANICS			1		
			3	0.3	28.0
	608.40		2	B	
MEDIUM gray SILT			3		
			3	1.0	29.0
	605.90		3	P	
SOFT gray SILTY CLAY		-25	2		
			3	0.4	30.0
	603.40		4	B	
SOFT gray SILT			1		
			3	1.3	27.0
	600.90		5	B	
MEDIUM gray SILT		-30	3		
			4	0.8	31.0
	598.40		6	P	
SOFT gray SILT			1		
			2	0.3	31.0
	595.90		2	P	
VERY SOFT gray SILT		-35	1		
			2	0.2	32.0
	593.40		3	B	
SOFT gray SILTY CLAY			1		
			1	0.3	17.0
	590.90		3	B	
		-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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First Encounter 619.9 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
SOFT gray SILTY CLAY			1		
			2	1.3	31.0
	588.40		2	P	
MEDIUM gray SILTY CLAY			1		
			2	0.7	35.0
	585.90		2	B	
SOFT gray SILTY CLAY with fine SAND		-45	1		
			2	0.3	33.0
	583.40		2	P	
MEDIUM gray weathered LIMESTONE			6		
			11		
	580.90		13		
DENSE gray weathered LIMESTONE		-50	1		
			17		
	578.40		30		
MEDIUM gray weathered LIMESTONE			9		
			14		
	575.90		12		
MEDIUM gray weathered LIMESTONE		-55	3		
			5		
	573.40		14		
LOOSE gray fine SAND with weathered LIMESTONE			14		
			3		
	570.90		3		
		-60			
SOFT brown SILTY CLAY			2		
			4	0.6	38.0
	568.40		6	B	
No Recovery			1		
			1		
	565.90		3		
SOFT brown SILTY CLAY		-65	1		
			2	0.3	25.0
			3	B	
	562.90				
VERY DENSE tan weathered LIMESTONE			4		
			100/12"		
	560.90				
VERY DENSE tan weathered LIMESTONE	559.40	-70	100/2"		
Auger Refusal 70.5'					
End of Boring					
		-75			
		-80			

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BBS, from 137 (Rev. 8-99)

DESIGNED	E.E.J.
CHECKED	J.Z.
DRAWN	R.B.H.
CHECKED	J.Z.

GRAEF 8501 W. Higgins Road; Suite 280 Chicago, Illinois 60631 (773) 399-0112

BORING LOGS II

Illinois Rte. 84 Over Duke Creek

STATION 336+42.00 STRUCTURE NO. 043-0079

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SB23 OF 23 SHEETS	308	103BR-3	JO DAVIESS	126	84
			CONTRACT NO. 64B26		
	10-15-2010	ILLINOIS	FED. AID PROJECT		

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10/12/2010