STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Date 4/9/07

ROUTE FAP 308 DESCRIPTION P92-089-05 IL 84 over Apple River Tributary, 2 miles south of Hanover LOGGED BY J. Strating

SECTION 104 BR-1 and 103 BR-3 LOCATION Hanover Twp. - 22SE, SEC., TWP. 26N, RNG. 2E

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

STRUCT. NO. 043-0038
Station 165+48

BORING NO. B-2a
Station 166+35
Offset 10.00ft Rt CL
Ground Surface Elev. 607.90 ft

Surface Water Elev. 590.90 ft
Stream Bed Elev. 588.90 ft

Groundwater Elev.:
First Encounter 587.9 ft ▼
Upon Completion ft
After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM brown/gray SILTY LOAM			0.5 P	22.0
	605.40			
STIFF gray SILTY CLAY		2		
		3	1.3 P	31.0
	603.90	5		
	-5			
STIFF gray SILTY CLAY		2		
		2	1.4 B	30.0
	601.40	5		
STIFF gray SILTY CLAY		2		
		3	1.4 B	30.0
	598.90	3		
	-10			
MEDIUM dark gray SILTY LOAM		3		
		3	0.8 P	29.0
	596.40	4		
MEDIUM gay SILTY LOAM		2		
		2	0.6 P	35.0
	593.90	4		
	-15			
SOFT gray SILTY LOAM		1		
		2	0.3 P	33.0
	591.40	3		
MEDIUM dark gray SILTY CLAY LOAM		2		
		2	1.0 B	30.0
	588.90	5		
	▼-20			
STIFF tan/brown SILTY LOAM with SAND lens		5		
		4	1.3 P	24.0
	586.40	2		
MEDIUM gray SILTY CLAY		1		
		1	0.6 B	33.0
	583.90	1		
	-25			
SOFT gray SILTY CLAY		0		
		1	0.3 P	
	581.40	2		
STIFF gray SILTY CLAY		0		
		1	1.5 P	36.0
	578.90	2		
	-30			
SOFT gray SILTY CLAY		1		
		1	0.3 P	34.0
	576.40	2		
SOFT gray SILTY CLAY		0		
		1	0.3 P	33.0
	573.90	3		
	-35			
MEDIUM gray SILTY LOAM with SAND lens		1		
		3	0.5 P	27.0
	571.40	4		
HARD tan/gray CLAY LOAM		8		
		15	9.0 B	17.0
	568.90	19		
	-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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After Hrs. ft

	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
HARD tan/gray CLAY LOAM		10		
		15	4.5 S	17.0
	566.40	25		
HARD tan/gray CLAY LOAM with well-cemented SAND lens		32		
		21		19.0
		35		
	562.90			
	-45			
Borehole continued with rock coring.				
	-50			
	-55			
	-60			

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	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 Apple River Tributary

STATION 165+50.00 *STRUCTURE NO. 043-0078*

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SA23 OF 25 SHEETS	308	104BR-1	JO DAVIESS	126	59
			CONTRACT NO. 64B26		
	10-15-2010	ILLINOIS	FED. AID PROJECT		

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10/13/2010