Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 9/3/96

ROUTE FAI 74 (I-74) DESCRIPTION I-74 over US 150 & abandoned IT RR LOGGED BY D.Reents

SECTION (90-14)R LOCATION Morton, IL, **SEC.** 17, **TWP.** 25N, **RNG.** 3W, 3rd **PM**,
Latitude 40° 37' 18.98615" N, **Longitude** 89° 28' 27.01091" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0017(WB) EX 090-0018(EB)
Station 568+65.40 on CL

BORING NO. 16
Station 568+39.0
Offset 53.1ft LT
Ground Surface Elev. 718.27 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 707.3 ft ▼
Upon Completion * ft
After 24 Hrs. 712.8 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray and Brown SILTY CLAY			
	2		
	3	1.0	26
	3	S	
-5	2		
	2	0.5	33
	2	B	
	1		
	1	0.6	24
708.77	3	B	
-10 Brown/Gray SILTY CLAY LOAM/SILTY CLAY	2		
	2	0.4	22
Trace water at 11 ft.	2	B	
706.27			
Gray CLAY LOAM Till	2		
Trace sand & water at 12 ft.	4	1.2	16
	2	B	
-15	2		
	3	1.3	16
	5	B	
	2		
	5	2.9	13
	7	B	
-20	2		
Gray CLAY LOAM Till *(continued)*			
	4	2.4	13
	6	S	
	3		
	4	2.1	14
	8	B	
-25	4		
	5	2.3	16
	8	B	
	2		
	6	3.1	13
	8	B	
-30	3		
	4	2.7	13
	7	B	
	3		
	5	2.5	13
	8	B	
-35	2		
	5	2.3	13
	8	B	
	2		
	4	2.3	14
	6	B	
-40	3		

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, form 137 (Rev. 8-99)

A.7

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Gray CLAY LOAM Till *(continued)*			
	4	2.5	13
	7	B	
	2		
	3	1.2	15
	5	B	
-45	2		
	4	2.1	14
	6	B	
	3		
	6	2.5	14
	7	B	
-50	2		
	6	2.1	14
	7	B	
	4		
	6	2.5	14
	8	B	
-55	3		
	5	2.0	13
	8	B	
	3		
	6	2.7	13
	9	B	
-60	3		
Gray CLAY LOAM Till *(continued)*			
	7	2.3	14
	8	B	
	3		
	7	1.6	13
	11	S	
-65	4		
	8	3.1	12
	12	B	
	3		
	5	2.9	12
	12	B	
-70	4		
	8	2.7	12
	12	B	
	4		
	7	2.9	12
	11	B	
-75	3		
	6	2.7	12
	8	B	
	6		
	9	3.3	11
	13	B	
-80	10		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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A.8

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*	21	4.4	10
	24	S	
636.27			
Gray, Coarse SAND and GRAVEL w/some Clay Loam	11		
	20		10
	40		
Natural gas pocket at 82 ft.			
-85	15		
	35		9
632.27	65@5*		
* Unobtainable due to muddy conditions. End of Boring			
-90			
-95			
-100			

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A.9

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engineers · scientists · planners
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312-565-0450 Job No. 10056

FILE NAME = 0900169_68620_46_log2.dgn	USER NAME = mbecker	DESIGNED - MFB	REVISED -
		CHECKED - MRB	REVISED -
	PLOT SCALE =	DRAWN - PRT	REVISED -
	PLOT DATE = 7/16/2012	CHECKED - MRB	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 2 OF 5
STRUCTURE NO. 090-0169
SHEET NO. SC46 OF SC63 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	2022
		CONTRACT NO. 68620		
	ILLINOIS	FED. AID PROJECT		

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