Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 9/9/96

ROUTE FAI 74 (I-74)/FAI 155 (I-155) DESCRIPTION I-74 over I-155 LOGGED BY D.Reents

SECTION (90-14)R LOCATION Morton, IL, SEC. 18, TWP. 25 N, RNG. 3 W, 3rd PM, Latitude 40° 37' 14.76747" N, Longitude 89° 29' 2.01971" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0012 (WB) EX 090-0013 (EB)
Station 540+01.31
Offset 0ft CL
Ground Surface Elev. 750.10 ft

BORING NO. 4
Station 541+03.0

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

Groundwater Elev.:
First Encounter 716.6 ft
Upon Completion None ft
After 24 Hrs. 690.4 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray CLAY LOAM (Fill)			
	10		
	9		7
	9		
746.10			
Brown and Dark Brown w/ some Gray SILTY CLAY LOAM w/ Gray CLAY LOAM (Fill)	6		
-5	5	2.5	17
	6	B	
743.60			
Gray CLAY LOAM (Fill)	3		
	4	2.7	12
	6	B	
	3		
-10	5	3.1	12
	6	B	
	2		
	3	1.7	14
	3	B	
	2		
-15	2	1.1	14
	3	S	
	2		
	2	0.9	14
	4	B	
731.10			
Gray w/ some Brown CLAY LOAM (Fill)	2		
-20	3	1.9	14
	5	S	
	3		
	3	2.5	14
	6	S	
	1		
725.10 -25	3	0.8	21
Dark Gray SILTY CLAY	5	S	22
		2.5	
	3	P	
	4	2.3	24
	6	S	
721.10			
Gray and Brown SILTY CLAY	2		
-30	3	1.0	26
	3	B	
718.60			
Gray and Brown SILTY CLAY/SILTY CLAY LOAM	1		
	2	0.6	27
	2	B	
Free H2O 716.10			
Gray CLAY LOAM Till	3		
-35	3	1.0	16
	5	B	
	2		
	3	1.1	16
	4	B	
	2		
-40	3	1.2	15

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)

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*	4	B	
	3		
	4	1.7	15
	6	B	
	2		
-45	3	1.6	15
	5	B	
	1		
	3	1.7	14
	4	B	
	2		
-50	3	1.2	15
	4	B	
	1		
	3	1.7	14
	5	B	
	2		
-55	3	1.7	14
	5	B	
	2		
	3	1.5	14
	5	B	
	2		
-60	4	1.7	14
Gray CLAY LOAM Till *(continued)*	5	B	
	1		
	3	1.3	14
	5	B	
	2		
-65	8	1.2	15
	5	B	
	2		
	3	1.5	14
	5	B	
	2		
-70	4	1.7	14
	6	B	
	2		
	3	1.3	14
	4	B	
	2		
-75	4	1.3	14
	6	B	
	2		
	5	1.6	14
	5	B	
	2		
-80	4	1.6	14

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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*	6	B	
	2		
	3	1.1	15
	4	B	
	1		
-85	4	1.2	15
	5	B	
	10		
Blow count on a rock	4	1.3	15
	5	B	
	3		
-90	4	1.7	14
	7	B	
	3		
	4	1.7	14
	6	B	
	2		
-95	5	1.6	13
	4	B	
	5		
	7	1.7	13
	10	B	
	14		
Rock stuck in end of spoon 650.10 -100	4		
End of Boring 649.60			
Gray CLAY LOAM Till *(continued)*	9		

-105
-110
-115
-120

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, form 137 (Rev. 8-99)

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FILE NAME = 0900165_68620_35_log4.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 4 OF 6
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA35 OF SA47 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R;(14HB-4,14,14HVB)BR]	TAZEWELL	2433	1899
		CONTRACT NO. 68620		
	ILLINOIS	FED. AID PROJECT		

7/16/2012 10:54:01 AM x:\10000s\10056\engineering_documents_phase_ii\I55over74\final\0900165_68620_35_log4.dgn