Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 9/5/96

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' 14.30443" N, Longitude 89° 29' 3.05147" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0012 (WB) / EX 090-0013 (EB)
Station 540+01.31

BORING NO. 3
Station 540+26.0
Offset 50.2ft RT
Ground Surface Elev. 728.78 ft

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

Groundwater Elev.:
First Encounter 717.3 ft ▼
Upon Completion * ft
After 24 Hrs. 720.4 ft ▽

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown/Gray CLAY LOAM			
	7		
	5	2.5	12
724.78	7	P	
Brown, Coarse SAND	3		
-5	2		5
	5		
722.28			
Gray and Brown SILTY CLAY	2		
	2	1.4	26
▽	3	B	
	1		
-10	2	0.5	27
	2	B	
Trace H2O 717.28 ▼			
Gray and Brown SILTY CLAY LOAM	1		
	1	0.2	27
	2	B	
714.78			
Brown w/ trace Gray LOAM	2		
-15	2		15
	6		
712.28			
Gray CLAY LOAM Till	1		
	3	1.2	17
	3	B	
	2		
-20	5	1.8	13
Gray CLAY LOAM Till *(continued)*			
	6	B	
	2		
	2	2.3	14
	5	B	
	2		
-25	5	3.3	13
	7	B	
	3		
	4	2.3	14
	6	B	
	2		
-30	5	2.9	13
	8	B	
	2		
	4	2.7	13
	6	B	
	2		
-35	4	2.5	14
	7	B	
	2		
	5	2.7	13
	8	B	
	3		
-40	4	2.3	13

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)*			
	7	B	
	3		
	4	1.4	14
	7	B	
	4		
-45	5	2.3	13
	8	B	
	3		
	6	2.9	13
	10	B	
	4		
-50	7	2.7	14
	9	B	
	3		
	6	2.3	13
	8	B	
	3		
-55	5	2.5	13
	9	B	
	4		
	9	3.5	12
	11	B	
669.78	5		
Gray SILTY LOAM	12	1.6	16
Gray SILTY LOAM *(continued)*			
	18	S	
667.28	5		
Gray CLAY LOAM Till w/ Silt seams	8	2.7	13
	12	B	
664.78	3		
Gray CLAY LOAM Till	6	2.5	13
-65	13	B	
	5		
	8	2.5	12
	13	B	
	4		
-70	6	2.5	13
	11	B	
	2		
	6	2.5	13
	12	B	
	3		
-75	6	1.9	13
	9	B	
	5		
	10	3.7	12
	12	B	
	3		
-80	7	2.7	13

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*			
	10	B	
	4		
	8	2.9	13
	11	B	
	5		
-85	7	3.1	12
	9	B	
	4		
	9	2.9	13
	10	B	
	5		
-90	9	3.1	12
638.28	13	B	
* Not available			
End of Boring			
-95			
-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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benesch
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312-565-0450 Job No. 10056

FILE NAME = 0900165_68620_34_log3.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 3 OF 6
STRUCTURE NO. 090-0165 / 0166
SHEET NO. SA34 OF SA47 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	1898
		CONTRACT NO. 68620		
	ILLINOIS FED. AID PROJECT			

7/16/2012 10:53:51 AM x:\10000s\10056\engineering_documents_phase_II\155over174\final\0900165_68620_34_log3.dgn