Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

Date 8/29/96

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' 18.37655"N, **Longitude** 89° 28' 27.85329" 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. 15
Station 567+67.0
Offset 0ft on CL
Ground Surface Elev. 720.64 ft

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

Groundwater Elev.:
First Encounter 707.1 ft ▼
Upon Completion * ft
After 72 **Hrs.** 715.1 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown w/ some Gray SILTY CLAY LOAM		1		
		2		
Clay Loam at 2.5 ft		4 3	0.7 S	17
	716.64			
Gray w/ some Brown SILTY CLAY		2		
	-5 ▽	2 3	1.1 B	29
	714.14			
Gray and Brown SILTY CLAY LOAM		1		
		2 2	0.7 B	26
	711.64			
Brown w/ some Gray SILTY CLAY LOAM		1		
	-10	1 2	<0.25 P	34
Trace water at 10 ft.	710.14			
	709.14			
Brown SILTY LOAM/SILTY CLAY LOAM		1		
		2 2	0.1 B	24
Trace Sand at 13 ft. Free water at 13.5 ft	706.64			
Gray CLAY LOAM Till		1		
	-15	2 3	1.1 B	16
		1		
		3 6	1.3 B	15
After 24 Hrs., Groundwater Depth at 18 ft.				
		2		
	-20	6	2.3	13

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*		9	B	
		2		
		5 9	2.3 B	13
		3		
	-25	6 9	2.5 B	13
		3		
		5 9	2.5 B	13
		3		
	-30	4 6	1.6 B	14
		3		
		4 7	1.7 B	13
		4		
	-35	5 6	1.7 B	14
		3		
		3 9	1.6 B	13
		3		
	-40	5	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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Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 707.1 ft ▼
Upon Completion * ft
After 72 **Hrs.** 715.1 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*		7	B	
		3		
		5 9	2.5 B	14
		2		
	-45	5 8	2.0 B	13
		2		
		4 8	2.1 S	14
		3		
	-50	5 7	2.1 B	14
		3		
		5 7	2.1 B	14
		3		
	-55	5 9	2.3 B	13
		3		
		5 7	1.8 B	13
Boulder at 58.5 ft.		3		
	-60	7	2.3	13

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*		9	B	
		4		
		10 11	2.5 B	13
Blow count on a rock				
		5		
	-65	8 15	2.7 B	12
		4		
		7 10	2.7 B	12
		4		
	-70	8 11	2.7 B	12
		3		
		8 9	2.5 B	12
		5		
	-75	9 14	2.9 B	12
		7		
		8 12	2.7 B	13
		6		
	-80	8	2.9	13

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Ground Surface Elev. 720.64 ft

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Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 707.1 ft ▼
Upon Completion * ft
After 72 **Hrs.** 715.1 ft ▽

Description	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*		11	B	
		5		
		9 12	2.9 B	13
		4		
	-85	7 10	2.6 S	12
	635.14			
* Unobtainable due to muddy conditions. End of Boring				
	-90			
	-95			
	-100			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Alfred Benesch & Company
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 10056

FILE NAME = 0900169_68620_45_log1.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 1 OF 5
STRUCTURE NO. 090-0169

SHEET NO. SC45 OF SC63 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	2021

CONTRACT NO. 68620

ILLINOIS FED. AID PROJECT

7/16/2012 11:19:51 AM x:\10000s\10056\engineering_documents_phase_ii\I74overJackson\Final\0900169_68620_45_log1.dgn