Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 9/25/96

ROUTE FAI 74 (I-74) DESCRIPTION I-74 over Jefferson St. (CH 22) LOGGED BY D.Reents

SECTION (90-14)R LOCATION Morton, IL, SEC. 17, TWP. 25N, RNG. 3W, 3rd PM.
Latitude 40° 37' 16.70565" N, Longitude 89° 28' 37.61774" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 14
Station 559+96.0
Offset 49.5ft RT
Ground Surface Elev. 750.97 ft

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

Groundwater Elev.:
First Encounter 728.0 ft
Upon Completion None ft
After 24" Hrs. 707.5 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM Till *(continued)*	6	B	
	3		
	5 6	2.5 B	13
	4		
-85	5 8	2.3 B	13
	3		
	4 5	1.7 B	15
	4		
-90	5 7	1.9 B	14
	4		
	5 8	1.9 B	13
	3		
-95	4 7	2.1 B	13
655.47			
* Groundwater EL 710.7'@144 hrs End of Boring			
-100			

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)

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Date 4/6/98

ROUTE FAI 74 (I-74) DESCRIPTION I-74 over Jefferson St. (CH 22) LOGGED BY D. Scheuermann

SECTION (90-14)R LOCATION Morton, IL, SEC. 17, TWP. 25N, RNG. 3W, 3rd PM.
Latitude 40° 37' 16.22967" N, Longitude 89° 28' 36.55488" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 14A
Station 560+68.5
Offset 111ft RT
Ground Surface Elev. 726.38 ft

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

Groundwater Elev.:
First Encounter 705.4 ft
Upon Completion * ft
After 24 Hrs. 720.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Dark Brown SILTY LOAM			31
Sample taken from augers			
721.88			
Dark Gray SILTY CLAY	-5 2		
	4 4	1.7 S	29
716.88			
Light Gray and Brown SILTY CLAY LOAM	-10 2		
	2 3	0.3 B	26
No Recovery	-15 3		
	4 5		
706.88			
Brown/Gray SILTY CLAY LOAM	-20 3		
(continued)			
Free H2O			
701.88			
Gray, Fine SILTY SAND	-25 1		
	4 7		15
696.88			
Gray CLAY LOAM TILL	-30 3		
	4 5	1.7 S	14
	-35 5		
	8 8	2.0 P	14
	-40 4		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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STRUCT. NO. EX 090-0016
Station 558+75.28

BORING NO. 14A
Station 560+68.5
Offset 111ft RT
Ground Surface Elev. 726.38 ft

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

Groundwater Elev.:
First Encounter 705.4 ft
Upon Completion * ft
After 24 Hrs. 720.6 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Gray CLAY LOAM TILL *(continued)*	6 8	2.8 S	14
-45	3		
	4 7	2.7 B	14
-50	4		
	6 12	2.7 B	12
No recovery			
-55	8		
	8 13		
-60	6		
(continued)			
No recovery			
-65	4		
	6 8	2.3 B	14
-70	4		
	6 10	2.3 B	14
-75	5		
	10 14	2.9 B	13
-80	6		

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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312-565-0450 Job No. 10056

FILE NAME = 0900167_68620_60_log7.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 7 OF 10
STRUCTURE NO. 090-0167
SHEET NO. SB60 OF SB65 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-(14R;(14HB-4,14,14HVB)BR)	TAZEWELL	2433	1971
		CONTRACT NO. 68620		
	ILLINOIS	FED. AID PROJECT		

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