



SOIL BORING LOG

Date 9/16/96

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' 17.16552" N, Longitude 89° 28' 37.89379" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

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

BORING NO. 13
 Station 559+83.0
 Offset 0ft CL
 Ground Surface Elev. 748.29 ft

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

Groundwater Elev.:
 First Encounter 723.3 ft
 Upon Completion None ft
 After 24 Hrs. None ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
0				Gray CLAY LOAM Till (continued)
3				
5		2.3	13	
6		B		
665.79				*Collapsed @ EL 678.3 ft End of Boring
-85				
-90				
-95				
-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)



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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)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
0				Dark Gray w/ some Gray SILTY CLAY LOAM (Fill) (continued)
5				
729.47				Gray CLAY LOAM (Fill)
2				
3	1.2	14		
3	B			Trace H2O
2				
3	2.1	13		
7	B			
-25				Gravelly seam at 25 ft
724.47				Gray w/ some Brown CLAY LOAM (Fill)
3				
5	4.2	11		
4	B			
722.97				Dark Gray SILTY CLAY/SILTY CLAY LOAM
2				
1	1.1	31		
2	S			
719.47				Greenish Gray w/ trace of Brown SILTY CLAY
2				
3	2.1	26		
5	B			
736.97				Brown and Gray SILTY CLAY
1				
1	0.8	30		
3	B			
731.97				Gray w/ some Brown CLAY LOAM (Fill)
3				
4	2.3	14		
4	B			
2				
3	2.3	13		
3	B			
711.97				Dark Gray w/ some Gray SILTY CLAY LOAM (Fill)
3				
4	3.7	17		
20				
711.97				Gray CLAY LOAM Till
1				
3	1.4	17		
40				

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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 After 24 Hrs. 707.5 ft

DEPTH (ft)	BULGE (in)	UCS (tsf)	MOISTURE (%)	DESCRIPTION
0				Gray CLAY LOAM Till (continued)
4				
3				
4	2.3	13		
8	B			
2				
5	2.3	13		
6	B			
3				
5	2.7	13		
6	B			
3				
5	2.7	13		
7	B			
2				
5	2.5	13		
6	B			
4				
5	2.0	14		
8	P			
3				
3	2.1	14		
6	B			
2				
4	2.3	13		
80				

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)



Alfred Benesch & Company
 205 North Michigan Avenue, Suite 2400
 Chicago, Illinois 60601
 312-565-0450 Job No. 10056

FILE NAME =	USER NAME = mbecker	DESIGNED - MFB	REVISED -
		CHECKED - MRB	REVISED -
		DRAWN - PRT	REVISED -
		CHECKED - MRB	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 6 OF 10
 STRUCTURE NO. 090-0167

SHEET NO. SB59 OF SB65 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-114R(14HB-4,14,14HVB)BRJ	TAZEWELL	2433	1970
CONTRACT NO. 68620				

ILLINOIS FED. AID PROJECT

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