



## SOIL BORING LOG

Page 1 of 3

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' 17.99576" N, Longitude 89° 28' 25.77839" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO.	EX 090-0017(WB)	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station	EX 090-0018(EB)	E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
	568+65.40 on CL	P	O	S	I				T	W	S	I
BORING NO.	17	H	S	Q	T	Groundwater Elev.:			H	S	Q	T
Station	569+21.5					First Encounter	709.2	ft ▼				
Offset	57.7ft RT					Upon Completion		ft				
Ground Surface Elev.	717.73	ft	(ft)	(/6")	(tsf)	After 24 Hrs.	713.5	ft ▼	(ft)	(/6")	(tsf)	(%)

Soil Description	Depth (ft)	Penetration (6")	Blow Count (SPT)	Notes
Brown SILTY CLAY LOAM	3			
	4	2.7	13	
	7	B		
	2			
	2		24	
	2			
	-5			
Gray and Brown SILTY CLAY	711.73			
	1			
	2	0.7	23	
	3	B		
Gray and Brown SILTY CLAY LOAM	709.23			
	2			
	1	0.1	22	
	2	B		
2" Sand seam w/ free water at 8.5 ft.	-10			
Gray CLAY LOAM Till	706.73			
	1			
	3	1.5	16	
	3	B		
	3			
	4	2.1	13	
	6	B		
	-15			
	2			
	4	2.5	15	
	7	B		
	3			
	4	2.1	14	
	6	B		
	-20			

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) A.10



## SOIL BORING LOG

Page 2 of 3

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' 17.99576" N, Longitude 89° 28' 25.77839" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO.	EX 090-0017(WB)	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station	EX 090-0018(EB)	E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
	568+65.40 on CL	P	O	S	I				T	W	S	I
BORING NO.	17	H	S	Q	T	Groundwater Elev.:			H	S	Q	T
Station	569+21.5					First Encounter	709.2	ft ▼				
Offset	57.7ft RT					Upon Completion		ft				
Ground Surface Elev.	717.73	ft	(ft)	(/6")	(tsf)	After 24 Hrs.	713.5	ft ▼	(ft)	(/6")	(tsf)	(%)

Soil Description	Depth (ft)	Penetration (6")	Blow Count (SPT)	Notes
Gray CLAY LOAM Till (continued)				
	3			
	4	2.7	13	
	7	B		
	2			
	3	2.1	14	
	6	B		
	-25			
	3			
	4	2.7	14	
	6	B		
	7	B		
	-45			
	3			
	4	2.3	13	
	5	B		
	7	B		
	-50			
	3			
	4	2.3	13	
	5	B		
	8	B		
	-55			
	4			
	5	2.5	13	
	8	B		
	4			
	5	2.3	13	
	8	B		
	-55			
	3			
	5	2.5	14	
	8	B		
	3			
	4	2.3	13	
	5	B		
	8	B		
	-60			

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) A.11



## SOIL BORING LOG

Page 3 of 3

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' 17.99576" N, Longitude 89° 28' 25.77839" W

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO.	EX 090-0017(WB)	D	B	U	M	Surface Water Elev.	NA	ft	D	B	U	M
Station	EX 090-0018(EB)	E	L	C	O	Stream Bed Elev.	NA	ft	P	L	C	O
	568+65.40 on CL	P	O	S	I				T	W	S	I
BORING NO.	17	H	S	Q	T	Groundwater Elev.:			H	S	Q	T
Station	569+21.5					First Encounter	709.2	ft ▼				
Offset	57.7ft RT					Upon Completion		ft				
Ground Surface Elev.	717.73	ft	(ft)	(/6")	(tsf)	After 24 Hrs.	713.5	ft ▼	(ft)	(/6")	(tsf)	(%)

Soil Description	Depth (ft)	Penetration (6")	Blow Count (SPT)	Notes
Gray CLAY LOAM Till (continued)				
	3			
	4	2.3	13	
	7	B		
	4			
	6	2.3	13	
	8	B		
	-65			
	3			
	4	2.7	12	
	7	B		
	12	B		
	-70			
	5			
	7	2.7	11	
	9	B		
	6			
	9	2.9	12	
	11	B		
	-75			
	6			
	7	2.7	11	
	8	B		
	8			
	20	2.9	10	
	27	B		
	638.23			
	-80			

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) A.12



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

DESIGNED	- MFB	REVISED	-
CHECKED	- MRB	REVISED	-
DRAWN	- PRT	REVISED	-
CHECKED	- MRB	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOGS 3 OF 5  
STRUCTURE NO. 090-0169

SHEET NO. SC47 OF SC63 SHEETS

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14]R-[14]HB-4,14,14(HVB)/BRJ	TAZEWELL	2433	2023
			CONTRACT NO. 68620	

ILLINOIS FED. AID PROJECT

x:\10000s\10056\engineer\ing-documents\phase-1\174overJackson\Final\0900169-68620-47\_1log3.dgn  
 7/16/2012 11:20:15 AM