Illinois Department of Transportation
Division of Highways
Wang Engineering, Inc.

SOIL BORING LOG

Date 11/19/09

ROUTE FAI 74 (I-74)/FAI 155 (I-155) DESCRIPTION I-74 over Jefferson St. LOGGED BY C. Marin

SECTION (90-14)R LOCATION Morton, IL, SEC. 17, TWP. 25 N, RNG. 3 W, 3rd PM, Latitude , Longitude

COUNTY Tazewell DRILLING METHOD HSA HAMMER TYPE Automatic

STRUCT. NO. EX 090-0168 (WB) EX 090-0167 (EB)
Station 559+18.96

BORING NO. TB-203
Station 557+47.7
Offset 15.72ft RT
Ground Surface Elev. 751.30 ft

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

Groundwater Elev.:
First Encounter 717.8 ft ▼
Upon Completion 717.8 ft ▽
After * Hrs. * ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
750.80 6-inch thick, black LOAM with gravel --TOPSOIL--			
	3		16
Very stiff to hard, dark brown SILTY CLAY, with gravel --FILL--	5 5	>4.5 P	17
	2		
-5	6 8	>4.5 P	11
	2		
	6 6	5.6 B	11
	3		
-10	5 6	7.5 S	11
	3		
	5 6	6.4 S	12
	2		
-15	6 6	3.0 S	13
	3		
	5 7	4.5 S	13
	3		
-20	6 7	4.5 P	16
Very stiff to hard, dark brown SILTY CLAY, with gravel --FILL-- *(continued)*	5		
	6 7	3.5 S	13
	5		
-25	7 8	>4.5 P	15
	5		
724.55 Hard, black CLAY LOAM --BURIED TOPSOIL-- 723.30	10 9	>4.5 P	22
Stiff, dark gray SILTY LOAM	3		
-30	3 5	1.4 B	28
	2		
	3 4	1.1 B	27
718.30 Loose to medium dense brown and gray SANDY LOAM with occasional gravel ▼	1		
-35	2 5	NP	21
	4		
	5 5	NP	14
	4		
711.55 -40	4 5	NP	12

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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First Encounter 717.8 ft ▼
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After * Hrs. * ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Black PEAT with SANDY LOAM interbeds *(continued)*	4		
	4 7	NP	46
708.30 Stiff to hard, brown and gray SILTY LOAM	4		
	7 9	>4.5 P	13
-45			
A-6 (5) LL=25% PL=13%	4		
	6 6	3.6 B	14
	3		
-50	5 8	2.1 S	18
	4		
	5 6	1.9 S	13
698.30 Very stiff, brown and gray SILTY CLAY	3		
-55	8 9	3.2 B	15
	4		
	5 8	2.4 B	14
	4		
-60	6 9	2.8 P	14
691.30 End of Boring			

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)

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

FILE NAME = 0900167_68620_63_log10.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 10 OF 10
STRUCTURE NO. 090-0167
SHEET NO. SB63 OF SB65 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
74	90-[14R;14HB-4,14,14HVB)BR]	TAZEWELL	2433	1974
		CONTRACT NO. 68620		
	ILLINOIS FED. AID PROJECT			

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