Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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ROUTE FAI 74 DESCRIPTION EB I 74 Overhead Sign Truss,In Advance of Exit 101, DL Shoulder near MM 99.6 Date 7/28/08
SECTION 90-14 LOCATION Groveland Twsp; SW 1/4, SEC. 12, TWP. 25N, RNG. 4W, 3rd PM, Latitude N40° 37' 48.4", Longitude W89° 30' 35.7" LOGGED BY SCI(BCR)
COUNTY Tazewell DRILLING METHOD CME 45, HSA HAMMER TYPE AUTO

STRUCT. NO. 4S090I074R099.6(Exist)
Station 461+00(Exist)
BORING NO. 46124
Station 461+24
Offset 78ft Rt (of Median CL)
Ground Surface Elev. 726.20 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft
Groundwater Elev.:
First Encounter 715.2 ft
Upon Completion 705.7 ft
After 19 Hrs. 718.7 ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
725.70			
FILL: Brown, Sand, soil & gravel mix			
	2		
FILL: Very Stiff, Brown, CLAY	4 4	2.2 B	20
723.20			
Stiff to Medium Stiff, Dark Brown CLAY	2		
	3 3	1.7 B	29
-5 becomes grayish brown & brown			
	1		
719.20	2 2	0.7 B	26
Medium Stiff to Soft, Gray & Brown SILTY CLAY			
	1		
-10	1 1	0.3 B	33
715.70	WR		
Soft, Gray & Brown CLAY	1 2	0.3 B	35
713.20			
Soft to Medium Stiff, Brown SILTY CLAY LOAM	1		
712.20	4		
Medium Stiff, Brown SANDY CLAY LOAM 711.45	-15 6	0.6 B	18
Brown SANDY LOAM (fine to medium grained sand) 710.20			
Medium Stiff to Very Stiff, Brown CLAY LOAM w/ trace fine gravel	1		
	2 4	0.9 B	17
	2		
-20	4 6	2.2 B	14

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium Stiff to Very Stiff, Brown CLAY LOAM w/ trace fine gravel (continued) 704.45	4		
	7 10	2.4 B	15
Very Stiff, Brown SILTY LOAM 702.95	5		
Stiff to Very Stiff, Brown CLAY LOAM w/ trace fine gravel	17	1.4	15
-25	12	S	
	4		
	7 15	2.9 B	13
	4		
	7 9	2.0 B	14
696.20 -30 End of Boring			
-35			
-40			

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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ROUTE FAI 74 DESCRIPTION EB I 74 Overhead Sign Truss,In Advance of Exit 101, Median Shoulder near MM 99.6 Date 7/29/08
SECTION 90-14 LOCATION Groveland Twsp; SW 1/4, SEC. 12, TWP. 25N, RNG. 4W, 3rd PM, Latitude N40° 37' 48.8", Longitude W89° 30' 35.4" LOGGED BY SCI(BCR)
COUNTY Tazewell DRILLING METHOD CME 45, HSA HAMMER TYPE AUTO

STRUCT. NO. 4S090I074R099.6(Exist)
Station 461+00(Exist)
BORING NO. 46130
Station 461+30
Offset 14ft Rt (of Median CL)
Ground Surface Elev. 728.11 ft

Surface Water Elev. - ft
Stream Bed Elev. - ft
Groundwater Elev.:
First Encounter 702.1 ft
Upon Completion 705.1 ft
After 24 Hrs. Not Taken ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
FILL: Brown SANDY CLAY w/ trace gravel 727.61			
FILL: Very Stiff, Gray CLAY	3		
	4 5	3.8 P	22
725.11			
Stiff to Very Stiff, Brown & Gray CLAY	3		
	2	1.2	23
-5	8	B	
becomes dark brown	2		
becomes gray	3 6	2.4 B	27
720.11			
Medium Stiff to Soft, Gray & Brown SILTY CLAY	2		
	1	0.8	26
-10	3	B	
	1		
716.11	1	0.4	26
Soft to Medium Stiff, Gray & Brown CLAY	2	B	
	1		
becomes brown	2	0.9	24
-15	3	B	
712.61			
Stiff to Very Stiff, Brown CLAY LOAM w/ trace fine gravel	2		
	3	1.0	17
	4	B	
	2		
	4	2.1	15
-20	6	B	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff to Very Stiff, Brown CLAY LOAM w/ trace fine gravel (continued)	2		
	6 7	3.5 B	13
705.11			
Stiff, Brown SILTY LOAM	7		
	10	1.5	15
-25	14	S	
702.61			
Very Stiff, Brown CLAY LOAM w/ trace fine gravel	4		
	6 7	2.2 B	22
700.11			
Stiff, Brown SILTY LOAM	5		
2" sand seam @ 28.75'	12	1.4	13
698.11 -30	11	S	
End of Boring			
-35			
-40			

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)

DESIGNED	-
CHECKED	-
DRAWN	-
CHECKED	-

- 20

EXAMINED

ENGINEER OF BRIDGE DESIGN

PASSED

ENGINEER OF BRIDGES AND STRUCTURES