

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 1 of 3 Date 4/26/04

ROUTE N. 4th Street Road DESCRIPTION 4th Street Bridge over I-57/70 LOGGED BY E. Sandschafer

SECTION (25-4HB-11B) LOCATION 16 - NW 14, 17 - NE 14, SEC., TWP. 8 N. RNG. 6 E. 3 PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0049 Station 49+98.84

BORING NO. 1 Station 51+38 Offset 5,00ft Lt. Ground Surface Elev. 621.33 ft

DEPTH (ft)	SOIL DESCRIPTION	U	M	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Washed (ft)	After (ft)	Hrs.	Samples	(ft)	(ft)	(tsf)	(%)	
0	Asphalt roadway surface.			N/A	N/A												
0.33	Aggregate subbase - CA06 limestone.																
0.33	Stiff, damp, gray, CLAY. (Fill)																
3																	
7		1.2	22														
6		B															
2	Gray mottled brown.																
6		1.5	27														
7		B															
2	Gray mottled red.																
2		1.2	28														
4		B															
2																	
4		1.7	21														
5		B															
2	Medium, damp, gray, SILTY CLAY. (Fill)																
3		0.7	22														
5		B															
1	Stiff, damp, gray, brown, CLAY. (Fill)																
3		1.5	28														
6		B															
2																	
3		1.2	18														
5		B															
2																	
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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 2 of 3 Date 4/26/04

ROUTE N. 4th Street Road DESCRIPTION 4th Street Bridge over I-57/70 LOGGED BY E. Sandschafer

SECTION (25-4HB-11B) LOCATION 16 - NW 14, 17 - NE 14, SEC., TWP. 8 N. RNG. 6 E. 3 PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0049 Station 49+98.84

BORING NO. 1 Station 51+38 Offset 5,00ft Lt. Ground Surface Elev. 621.33 ft

DEPTH (ft)	SOIL DESCRIPTION	U	M	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Washed (ft)	After (ft)	Hrs.	Samples	(ft)	(ft)	(tsf)	(%)	
34	Hard to very stiff, very moist, gray, CLAY TILL.	6.0	7														
50		BS															
34		6.0	7														
50		BS															
15																	
25		8.6	8														
43		S															
18																	
32	Sample pokershipped, re-assembled to test for Cu.	3.3	11														
50		B															
26																	
50		4.8	9														
60		B															
27																	

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, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
District 7 Materials

SOIL BORING LOG

Page 3 of 3 Date 4/26/04

ROUTE N. 4th Street Road DESCRIPTION 4th Street Bridge over I-57/70 LOGGED BY E. Sandschafer

SECTION (25-4HB-11B) LOCATION 16 - NW 14, 17 - NE 14, SEC., TWP. 8 N. RNG. 6 E. 3 PM

COUNTY Effingham DRILLING METHOD Hollow Stem Auger & Split Spoon HAMMER TYPE Auto 140#

STRUCT. NO. 025-0049 Station 49+98.84

BORING NO. 1 Station 51+38 Offset 5,00ft Lt. Ground Surface Elev. 621.33 ft

DEPTH (ft)	SOIL DESCRIPTION	U	M	Surface Water Elev. (ft)	Stream Bed Elev. (ft)	Groundwater Elev. (ft)	First Encounter (ft)	Upon Completion (ft)	Washed (ft)	After (ft)	Hrs.	Samples	(ft)	(ft)	(tsf)	(%)	
36	Hard, very moist, gray, CLAY TILL w/ few wood fragments.	7.7	8														
50		B															
36		7.7	8														
50		B															
12																	
28		3.9	11														
40		B															
70																	
70																	
28		3.9	11														
40		B															
22																	

Benchmark: Traverse Point #200
Pin w/ DOT Cap Sta 46+80.8
18" LT CL 4th st. Elev 617.85'

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, from 137 (Rev. 8-99)

BORING DATA
F.A.I. RT. 70 SEC. (25-4HB-11B)
EFFINGHAM COUNTY
STATION 49+98.84
STRUCTURE No. 025-0102