

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 1

Date 5/7/04

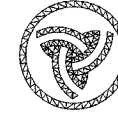
ROUTE FAU 2578 (IL Route 53) DESCRIPTION Box Culvert @ Lily Cache Creek LOGGED BY Mark Dell

SECTION 534R-1-T LOCATION SE 1/4, SEC. 26, TWP. 36, RNG. 14, 3rd PM

COUNTY Will DRILLING METHOD CME 750, 3.25 in ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
099-2008	26+24	B-1	26+19	40.00ft Rt of Center	693.88 ft	(ft)	(/6")	(tsf)	(%)	686.21 ft	ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft
Asphalt underlain by Gray Crushed Stone Aggregate																				
Brown and Gray GRAVEL AND CLAY (FILL)																				
690.88 8 4																				
Stiff Dark Gray and Brown CLAY LOAM (FILL)																				
11 1.5 14																				
12 P																				
686.88 4 7																				
6 5																				
Stiff Dark Gray and Dark Brown CLAY, with Sand																				
2 1.5 21																				
3 P																				
683.88 -10 1 0.4 34																				
2 3 B																				
Very Soft to Soft Brown to Gray Brown SILTY LOAM, Trace Gravel, With Clay Seams																				
1 2 0.3 31																				
1 P																				
678.88 -15 2 27																				
3 5																				
Loose, Saturated Brown SAND (Little Recovery)																				
676.88 11 4.5+ 17																				
15 P 6																				
14																				
Hard Brown Gray CLAY, Trace Sand and Gravel																				
675.88 15 P 6																				
14																				
Medium Yellow Brown SAND and GRAVEL																				
673.88 -20																				
-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, from 137 (Rev. 8-99)



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Page 1 of 1

Date 5/17/04

ROUTE FAU 2578 (IL Route 53) DESCRIPTION Box Culvert @ Lily Cache Creek LOGGED BY Mark Dell

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COUNTY Will DRILLING METHOD CME 750, 3.25 in ID HSA HAMMER TYPE CME Automatic

STRUCT. NO.	Station	BORING NO.	Station	Offset	Ground Surface Elev.	D	B	U	M	Surface Water Elev.	Stream Bed Elev.	D	B	U	M	Groundwater Elev.:	First Encounter	Upon Completion	After	Hrs.
099-2008	26+24	B-2	26+22	29.00ft Lt of Center	694.03 ft	(ft)	(/6")	(tsf)	(%)	686.21 ft	ft	(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft
Asphalt																				
Stiff Dark Brown and Brown CLAY, Trace Sand and Gravel, with Sand Pockets (FILL)																				
689.53 3 1.0 19																				
3 5 P																				
672.03																				
Medium Dense Brown and Gray SAND and GRAVEL																				
3 20																				
4 2.0 12																				
4 P																				
689.53 4 4																				
-5 3 8																				
Loose to Medium Dense Brown SANDY LOAM, Trace Gravel (FILL)																				
5 5 11																				
3 6																				
Medium Dense Brown Gray SANDY LOAM, Trace Gravel, With Occasional Sand Seams																				
666.03 7 8																				
8 24 5																				
10 23																				
685.03 -10 2 50																				
Stiff Gray Brown, Brown and Dark Gray SILTY CLAY, With Sand, Trace Gravel																				
2 30 5																				
2 1.8 21																				
2 P																				
682.03 2 22																				
2 2																				
6 6																				
Loose Gray and Brown Gray SILTY LOAM, Trace Sand and Gravel																				
679.53 4 8																				
-15 6 3.6 14																				
7 B																				
657.53 2 1.5 17																				
5 P 15																				
7 2.2																				
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, from 137 (Rev. 8-99)

* Note: Dry cave-in occurred at a depth of about 24.5 feet upon completion.
End of Boring



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORINGS
IL ROUTE 53 OVER LILY CACHE CREEK
WILL COUNTY
STATION 26+24
STRUCTURE NO. 099-2008
DATE: 6-12-07
DRAWN BY BLB
CHECKED BY WJV