STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(123)BR-3	LIVINGSTON	354	140
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66601

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

Page 1 of 2

Date 7/6/04

ROUTE FAP 326 (IL 47) DESCRIPTION South Pier LOGGED BY Larry Myers

SECTION 123 BR-1 LOCATION SW 1/4, SEC. 3, TWP. 27, RNG. 7, 3rd PM

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 053-0050
Station 949+25

BORING NO. 3
Station 950+00
Offset 27.00ft Rt
Ground Surface Elev. 647.12 ft

Surface Water Elev. 632.86 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Brown Silty Clay Loam	644.62				
V. Stiff Dark Brown Silty Clay (Fill)			6 6 7	2.5 P	26.3
		-5	5 3 5	2.5 P	24.1
			3 2 3	2.5 P	22.6
	637.12	-10	3		
Stiff Gray Clay w/Silt Seams			3 6	1.4 B	26.8
	634.62				
Med. Gray Fine Sand/Coarse Gravel - Slightly Loamy			6 9	14.9	
	632.62				
V. Stiff Gray Silty Clay		-15	3		
			5 7	3.1 B	20.5
	630.12				
Stiff Gray Silty Clay w/Silt Pockets			2 3 5	1.7 B	22.8
		-20			
Stiff Gray Silty Clay w/Silt Pockets (continued)			2 2 3	1.2 B	21.4
	625.12				
Soft Gray Silty Clay w/Silt Pockets			1 2 2	0.4 B	23.1
		-25	1 1 2	0.5 B	24.2
			2 7 4	0.5 P	23.6
		-30	2 1 1	0.3 B	24.2
			1 1 2	0.3 B	24.6
	612.12	-35	2 10 15	4.2 S	12.1
Hard Brown Silty Clay Loam Till w/Minor Gravel Layers			11 20 25	7.5 S	10.8
	607.12	-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)

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Illinois Department of Transportation

Page 2 of 2

Date 7/6/04

ROUTE FAP 326 (IL 47) DESCRIPTION South Pier LOGGED BY Larry Myers

SECTION 123 BR-1 LOCATION SW 1/4, SEC. 3, TWP. 27, RNG. 7, 3rd PM

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE Automatic

STRUCT. NO. 053-0050
Station 949+25

BORING NO. 3
Station 950+00
Offset 27.00ft Rt
Ground Surface Elev. 647.12 ft

Surface Water Elev. 632.86 ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Silty Clay w/Silt layers	605.12		17 40 40	4.2 S	12.3
Med. Gray Fine Sand & Silt			2 3 7		22.9
	602.62	-45			
V. Dense Fine Sand w/Minor Silt Layers			21 30 39		17.1
	600.12				
Dense Gray Fine Sand w/Layers of Clay, Silt & Fine Gravel			8 18 18		19.6
	598.12				
Hard Gray Sandy Clay Loam Till		-50	16 20 25		
			14 20 23	9.4 S	9.4
	592.62				
Dense Gray Fine To Coarse Sand Slightly Loamy		-55	3 11 21		16.5
	589.12				
V. Dense Gray Fine To Medium Sand		-60			
V. Dense Gray Fine To Medium Sand (continued)			16 28 35		19.4
	585.62				
End of Boring					
		-65			
		-70			
		-75			
		-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, from 137 (Rev. 8-99)

Johnson, Depp & Quisenberry
CONSULTING ENGINEERS
Springfield, Illinois

DESIGNED: IDOT	DRAWN: JTC
CHECKED:	CHECKED: CDB/DCD

SOIL BORINGS (3 OF 3)
ILLINOIS 47 OVER
NORTH FORK VERMILION RIVER
FAP ROUTE 326 SECTION (123)BR-3
LIVINGSTON COUNTY
STATION 949+25.00
STRUCTURE NO. 053-0179

DATE: 11/29/2007 18:19:48 USER: DCD FILE: J:\JDQ\10136 IL47 Livingston Ph2\1-VermilionRiver\16borings.dgn