STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(123)BR-3	LIVINGSTON	354	139
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

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Date 5/19/04

ROUTE FAP 326 (IL 47) DESCRIPTION South Abutment 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. 2
Station 950+58
Offset 24.00ft Lt
Ground Surface Elev. 653.58 ft

Surface Water Elev. 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 (%)
Augered Brown Silty Clay Loam Fill					
	651.08				
Very Stiff Brown Silty Clay Loam Fill			4		
			4	2.0	23.8
			6	P	
		-5			
			5		
			4	2.0	27.5
			6	P	
	646.08				
Stiff Brown/Gray Silty Clay Loam (Loess)			3		
			3	1.6	23.9
			5	B	
		-10			
			3		
			3	1.7	20.9
			4	B	
	641.58				
Stiff Brown Silty Clay Loam w/1/2" Silt Layers			3		
			1	1.1	24.8
			2	B	
		-15			
	638.08		3		
Stiff Gray Silty Clay					
			4	1.6	25.2
			4	B	
	635.58				
Medium Gray Loamy Fine Sand/Coarse Gravel with Hard Sandy Clay Loam Till Layers up to 5" thick		-20			
Medium Gray Loamy Fine Sand/Coarse Gravel with Hard Sandy Clay Loam Till Layers up to 5" thick (continued)			4		
			11		11.6
			11		
	631.08				
V. Stiff Gray Silty Clay Loam Till			3		
			5	2.1	21.5
			6	B	
	629.08				
Stiff Gray Silty Clay Loam Till		-25			
			2		
			2	1.3	19.0
			4	B	
	626.58				
Stiff Gray Silty Clay w/Layers of Silt			WH		
			4	1.0	20.8
			3	B	
		-30			
			2		
			2	1.5	23.0
			3	S	
	619.08				
Stiff Gray Clay Loam w/layers of Silt and Clay		-35			
			2		
			4	1.0	21.8
			6	S	
	616.58				
Medium Gray Silty Clay Loam Till					
			2		
			2	0.9	23.4
			2	B	
		-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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ROUTE FAP 326 (IL 47) DESCRIPTION South Abutment 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. 2
Station 950+58
Offset 24.00ft Lt
Ground Surface Elev. 653.58 ft

Surface Water Elev. 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 (%)
Medium Gray Silty Clay Loam Till (continued)			WH		
	612.58		4	0.9	18.2
Hard Brown Sandy Clay Loam Till			5	B	
					10.6
	610.58				
Hard Brown Silty Clay Loam Till					
		-45			
			13		
			26	11.8	14.0
			26	S	
	604.58				
Loose Gray Fine to Medium Sand w/Silt Layers		-50			
			WH		
			WH		24.6
			5		
	600.58				
Medium Gray Fine Sand Slightly Silty @ 60'					
		-55			
			5		
			8		27.1
			12		
		-60			
Medium Gray Fine Sand Slightly Silty @ 60' (continued)			5		
			10		18.3
			15		
			23		
			38		
			48		
			12		
			19	9.1	10.6
			28	S	
	583.58	-70			
Hard Gray Clay Loam Till w/Silt Layers			12		
			21	5.8	13.9
			24	2	
	580.58				
Hard Gray Sandy Clay Loam Till					
		-75			
			10		
			28	7.8	12.0
			24	S	
	574.58				
End of Boring		-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 (2 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 18:49:45 USER: DCD FILE: J:\JDQ\10036 IL47 Livingston Ph2\1-VermilionRiver\6borings.dgn