STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(123)BR-3	LIVINGSTON	354	138
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 12/22/03

ROUTE FAP 326 (IL 47) DESCRIPTION North Abutment LOGGED BY Marcie Andrews

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. 1
Station 947+91
Offset 6.00ft Lt
Ground Surface Elev. 654.17 ft

Surface Water Elev. 633.61 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 (%)
Augured Asphalt, Concrete, Stiff Black Silty Clay Fill					
	652.17				
Stiff Black Silty Clay Fill			2		
			3	1.8	31.5
			4	P	
		-5	2		
			3	1.3	32.0
			3	P	
			2		
			3	1.3	32.7
			4	P	
		-10	3		
			4	1.3	28.6
			6	P	
	642.67				
Stiff Black Silty Clay (Native)			2		
			4	2.0	26.2
			5	B	
	640.17				
Medium Dark Gray Silty Clay		-15	2		
			2	0.7	36.0
			2	S	
	637.67				
Soft Dark Gray Sandy Loam with Small Amounts of Clay			1		
			2	0.4	29.0
			2	B	
	634.67				
Stiff Gray Silty Clay		-20	2		
Stiff Gray Silty Clay (continued)			2	2.0	22.0
			4	B	
	632.17				
Stiff Gray Silt with Minor Clay			2		
			4	1.5	26.0
			5	P	
		-25	2		
			3	1.5	24.2
			4	P	
	627.17				
Medium to Very Stiff Gray Silty Clay with Silt Pockets Pieces of Gray Silty Clay Loam Till at 29' and 38'			2		
			4	2.3	22.3
			6	B	
		-30	2		
			3	1.0	16.8
			4	B	
			WH		
			2	0.8	23.1
			3	B	
		-35	1		
			3	1.4	24.5
			5	B	
			1		
			3	0.7	20.4
			3	B	
		-40	1		

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

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Date 12/22/03

ROUTE FAP 326 (IL 47) DESCRIPTION North Abutment LOGGED BY Marcie Andrews

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. 1
Station 947+91
Offset 6.00ft Lt
Ground Surface Elev. 654.17 ft

Surface Water Elev. 633.61 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 to Very Stiff Gray Silty Clay with Silt Pockets Pieces of Gray Silty Clay Loam Till at 29' and 38' (continued)			4	0.8	21.7
			6	B	
			3		
	611.17		9		
Hard Gray Loam Till with Small Amounts of Clay Present 1" Sand Seam Present at 47'			3	4.5	12.8
			9	B	
			14		
		-45	11		
			13	6.6	12.3
			17	S	
	606.17				
Very Loose Brown Fine Sand With Layers of Sandy Loam					
		-50	WH		
			WH		23.0
			WH		
	601.17				
Very Stiff Gray Silt with Layers of Sand and Gravel (Varved clay at 54.5') *All Samples were washed from +54.5'		-55	6		
			8	3.1	20.1
			14	S	
	596.17				
Hard Gray Loam Till					
		-60	14		
Hard Gray Sandy Loam Till (continued)			18	7.6	10.2
			26	S	
	591.17				
Very Stiff Gray Silty Clay Loam Till					
		-65	11		
			19	7.2	13.1
			28	S	
		-70	13		
			20	8.1	16.5
	583.17		28	S	
End of Boring					
		-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 (1 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 18:19:42 USER: DCD FILE: J:\JDQ\10136 IL47 Livingston Ph2\Vermilion River\6borings.dgn