STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 1 of 2

Date 7/16/09

ROUTE FAP 317 (US 24) DESCRIPTION US 24 over South Fork of Vermilion River, 0.3 miles West of IL 47 at Forrest LOGGED BY LM

SECTION (25)BR-2 LOCATION SE 1/4, SEC. 4, TWP. 26N, RNG. 7E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0152 (Exist.)
Station 473+87 (Exist.)

BORING NO. 2 (E. Abut.)
Station 475+07
Offset 16.00ft Lt.
Ground Surface Elev. 682.39 ft

Surface Water Elev. 669.64 ft
Stream Bed Elev. 668.09 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 669.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Augered White Shoulder Stone, Brown Sand/Gravel Fill					
	679.89				
Medium Brown & White Sand/Gravel Fill with some Clay			3		
			6		4.5
			9		
	677.89				
Stiff to Very Stiff Black & Brown Silty Clay Fill		-5	3		
			4	2.0	20.4
			5	P	
			2		
			3	2.0	17.1
			3	P	
	672.89				
Stiff Black Sandy Loam/Sandy Clay Loam		-10	1		
			2	1.5	19.7
			2	P	
	669.89				
Loose Gray/Brown Fine to Coarse Sand with free water ▽			1		
			2		22.8
			3		
	667.89				
Hard Gray Silty Clay Loam Till		-15	4		
			5	5.0	15.2
			7	S	
			5		
			6	6.2	14.5
			8	S	
		-20			
Hard Gray Silty Clay Loam Till (continued)			4		
			5	6.2	14.8
			8	S	
	660.39				
Very Stiff Gray Silty Clay Loam/Clay Till			3		
			4	3.7	18.4
			5	B	
		-25	3		
			4	3.7	17.4
			6	B	
	654.89				
Very Stiff Gray Silt with Layers of Sand/Gravel			5		
			6	3.5	25.8
			6	P	
	652.39	-30			
Hard Grayish Brown Sandy Clay Loam Till			6		
			10	7.1	9.6
			13	S	
			15		
			21	12.1	8.4
			25	S	
		-35	15		
			18	12.1	9.0
			27	S	
			8		
			11	7.0	11.8
			16	S	
	642.89	-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
Division of Highways
District #3, Ottawa

SOIL BORING LOG

Page 2 of 2

Date 7/16/09

ROUTE FAP 317 (US 24) DESCRIPTION US 24 over South Fork of Vermilion River, 0.3 miles West of IL 47 at Forrest LOGGED BY LM

SECTION (25)BR-2 LOCATION SE 1/4, SEC. 4, TWP. 26N, RNG. 7E

COUNTY Livingston DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME Automatic

STRUCT. NO. 053-0152 (Exist.)
Station 473+87 (Exist.)

BORING NO. 2 (E. Abut.)
Station 475+07
Offset 16.00ft Lt.
Ground Surface Elev. 682.39 ft

Surface Water Elev. 669.64 ft
Stream Bed Elev. 668.09 ft

Groundwater Elev.:
First Encounter ft
Upon Completion 669.4 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Hard Gray Sandy Clay Loam/Sandy Loam Till (continued)			10		
			12	6.1	12.7
			13	S	
	639.89				
Medium to Dense Gray Fine Sand to Coarse Gravel (under presssure heavy blow in augers) (washed sample 45.0'-56.5')			7		
			10		16.6
			15		
		-45	8		
			11		15.4
			16		
			12		
			15		9.0
			20		
		-50	13		
			18		9.7
			22		
			11		
			14		12.8
			22		
		-55	10		
			16		17.4
			24		
	625.89				
End of Boring					
		-60			

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)

DESIGNED	SDH
CHECKED	JML
DRAWN	DJM
CHECKED	MSW
DATE	08/13/10

SOIL BORING LOGS
STRUCTURE NO. 053-0188

Farnsworth GROUP, INC.
2709 McGraw Drive
Bloomington, Illinois 61704
309/663-8435, 309/663-1571 fax

SHEET NO. B25
26 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
317	(25)BR-2	LIVINGSTON	58	48
		CONTRACT NO. 66823		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

24-8319