STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Date 8/1/05

ROUTE FAP 561 DESCRIPTION P92-067-05 Bridge over drainage ditch on Route 2, .1 m. E. of Sauk Valley College Entrance LOGGED BY W. Garza

SECTION 31-1BR-2 (& 1) LOCATION Palmyra Twp. - 9NW, SEC. , TWP. 21N, RNG. 8E

COUNTY Lee DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 052-0015
Station 115+15

BORING NO. B-2a
Station 115+79
Offset 44.00ft Rt CL WB
Ground Surface Elev. 659.19 ft

Surface Water Elev. ft
Stream Bed Elev. 650.69 ft

Groundwater Elev.:
First Encounter 641.7 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark brown LOAM					
				0.5 P	25.0
	656.69				
STIFF dark gray SILTY CLAY LOAM			4		
			6	1.8 B	23.0
	655.19		7		
MEDUM gray SILTY CLAY LOAM		-5	2		
			2	0.9 B	30.0
	652.69		3		
MEDIUM gray SILTY CLAY LOAM			2		
			2	0.6 B	32.0
	650.19		3		
MEDIUM gray SILTY CLAY LOAM		-10	1		
			2	0.5 B	32.0
	647.69		2		
MEDIUM gray SILTY CLAY			1		
			1	0.7 B	28.0
	644.69		2		
MEDIUM tan moist SAND		-15	1		
			7		
	642.69		13		
DENSE tan medium clean SAND		▼	9		
			17		
	640.19		19		
		-20			
MEDIUM gray clean medium SAND			10		
			12		
	637.69		16		
MEDIUM gray clean medium SAND			7		
			11		
	635.19		14		
MEDIUM gray fine SAND		-25	4		
			8		
	632.69		13		
MEDIUM gray fine SAND			5		
			4		
	629.69		7		
MEDIUM gray SILTY CLAY with SAND lens		-30	1		
			1	0.7 B	22.0
	627.69		2		
VERY STIFF gray SILTY CLAY			3		
			4	2.3 B	22.0
	625.19		5		
VERY STIFF gray SILTY CLAY with SAND lens		-35	2		
			2	2.1 B	24.0
	622.69		4		
VERY STIFF gray SILTY CLAY with SILT lens			3		
			4	2.1 B	22.0
	620.19		6		
		-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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Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			3		
STIFF gray SILTY CLAY			6	1.7 B	26.0
	617.69		4		
STIFF gray SILTY CLAY with SAND lens			1		
			1	2.0 P	26.0
			1		
	614.69	-45			
MEDIUM gray fine SAND with SILT lens			2		
			7		
	612.19		11		
VERY STIFF gray SILTY CLAY			4		
			4	3.3 B	21.0
	610.19		7		
STIFF gray SILTY CLAY		-50	2		
			4	1.7 B	24.0
	607.69		4		
Wash			3		
VERY STIFF gray SILTY CLAY			5	2.7 B	24.0
	605.19		5		
STIFF gray SILTY CLAY		-55	3		
			4	1.9 B	25.0
			4		
	602.19				
Wash			2		
MEDIUM gray SAND & GRAVEL			11		
	600.19		16		
		-60			
VERY DENSE tan/gray SAND & GRAVEL			20		
			39		
	597.69		26		
Wash			27		
VERY DENSE tan/gray SAND & GRAVEL			29		
	595.19		26		
End of Boring		-65			
		-70			
		-75			
		-80			

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BBS, from 137 (Rev. 8-99)

MAURER & STUTZ, INC.
ENGINEERS SURVEYORS

DESIGNED	JAE
CHECKED	KEF
DRAWN	SGM
CHECKED	RJA/KEF

SOIL BORINGS
IL RTE. 2 WB OVER UNNAMED TRIBUTARY TO THE ROCK RIVER
STATION 115+16.00

SHEET NO. 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	561	31-1BR-2	LEE	92	73
20 SHEETS	STRUCTURE NO. 052-0079		CONTRACT NO. 64B05		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

...\052-0079-64B05-Borings.dgn 7/24/2009 9:37:54 AM