STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Date 7/29/05

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. Existing 052-0015
Station 115+15

BORING NO. B-1a
Station 114+75
Offset 14.00ft Lt CL WB
Ground Surface Elev. 667.19 ft

Surface Water Elev. Dry ft
Stream Bed Elev. 650.69 ft

Groundwater Elev.:
First Encounter 647.2 ft ▼
Upon Completion Wash ft
After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark brown LOAM					
				0.5	19.0
				P	
	664.69				
STIFF dark brown LOAM			2		
			5	2.0	24.0
	663.19		6	P	
		-5			
VERY STIFF gray SILTY LOAM			3		
			4	2.1	20.0
	660.69		5	B	
STIFF dark gray LOAM			2		
			4	1.3	22.0
	658.19		5	P	
		-10			
STIFF dark gray SILTY CLAY LOAM			1		
			1	1.0	24.0
	655.69		5	S	
STIFF gray SILTY CLAY LOAM			2		
			2	1.2	27.0
	653.19		5	B	
		-15			
MEDIUM gray SILTY LOAM			2		
			2	0.5	29.0
			3	B	
	650.19				
MEDIUM tan SAND & moist GRAVEL			4		
			10		
	648.19		15		
		▼-20			
DENSE tan SAND & GRAVEL			7		
			18		
	645.69		16		
MEDIUM gray medium SAND			4		
			11		
	643.19		14		
		-25			
MEDIUM gray fine SAND			8		
			10		
	640.69		10		
MEDIUM gray medium clean SAND			6		
			10		
	638.19		14		
		-30			
MEDIUM gray fine SAND			9		
			11		
	635.69		14		
Wash LOOSE gray fine SAND			2		
			4		
			5		
	632.69				
		-35			
STIFF gray SILTY CLAY TILL with SAND lens			2		
			4	1.2	19.0
	630.69		6	B	
Wash STIFF gray SILTY CLAY TILL			2		
			4	1.8	17.0
	628.19		5	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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After ___ Hrs. ___ ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Wash			5		
STIFF gray SILTY CLAY			5	1.5	28.0
	625.69		7	B	
Wash			4		
STIFF gray SILTY LOAM			5	1.5	24.0
	623.19		7	B	
		-45			
STIFF gray SILTY CLAY with fine SAND lens			3		
			4	1.3	23.0
	620.69		9	B	
Wash			3		
STIFF gray SILTY CLAY with fine SAND lens			5	1.2	24.0
	618.19		6	B	
		-50			
VERY STIFF gray SILTY CLAY			4		
			7	3.3	21.0
	615.69		8	B	
STIFF gray SILTY CLAY			1		
			3	1.7	23.0
	613.19		5	B	
		-55			
VERY STIFF gray SILTY CLAY			4		
			5	2.1	25.0
	610.69		6	B	
VERY STIFF gray SILTY CLAY			3		
			4	2.3	25.0
	607.69		6	B	
		-60			
MEDIUM gray SAND & GRAVEL			3		
			7		
	605.69		19		
VERY DENSE gray SAND & GRAVEL			5		
			24		
	603.19		34		
		-65			
VERY DENSE gray SAND & GRAVEL			22		
			28		
	600.69		36		
End of Boring					
		-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. 19	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	561	31-1BR-2	LEE	92	72
20 SHEETS	STRUCTURE NO. 052-0079		CONTRACT NO. 64B05		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		