STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SOIL BORING LOG

Page 1 of 2

Date 7/28/05

ROUTE FAP 561 DESCRIPTION P92-067-05 IL 2 WB over Little Creek, .2 m. W. of Sauk Valley College Entrance LOGGED BY W. Garza

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

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

STRUCT. NO. 052-0014
Station 66+53

BORING NO. B-2b
Station 66+29
Offset 13.00ft Lt CL WB
Ground Surface Elev. 666.58 ft

Surface Water Elev. ft
Stream Bed Elev. 653.58 ft

Groundwater Elev.:
First Encounter 646.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
MEDIUM dark gray SILTY CLAY LOAM				0.8 P	15.0
	664.08				
STIFF gray SILTY CLAY LOAM			2		
			4	2.0 B	22.0
	662.58		5		
		-5			
STIFF gray/dark gray SILTY CLAY LOAM			1		
			5	1.4 B	28.0
	660.08		6		
LOOSE/MEDIUM dark gray SANDY LOAM			2		
			4		12.0
	657.58		6		
		-10			
STIFF dark brown LOAM			3		
			4	1.1 P	38.0
	655.08		6		
STIFF gray SILTY CLAY			2		
			4	1.2 B	28.0
	652.58		5		
		-15			
STIFF gray SILTY CLAY			2		
			3	1.8 B	24.0
	649.58		4		
LOOSE gray/reddish brown fine SAND			2		
			3		
	647.58		5		
		▼-20			
VERY LOOSE brown fine SAND			1		
			1		
	645.08		1		
LOOSE/MEDIUM brown fine SAND			2		
			4		
	642.58		6		
		-25			
LOOSE gray fine SAND			4		
			4		
	639.58		5		
MEDIUM gray SILT with fine SAND lens			5		
			6	0.6 P	24.0
	637.08		6		
		-30			
MEDIUM gray fine SAND			3		
			5		
	634.58		6		
Wash			4		
STIFF gray SILTY CLAY TILL with SAND lens			6	1.5 P	18.0
	632.08		9		
		-35			
LOOSE/MEDIUM gray dirty SAND & GRAVEL			5		
			5		
	629.58		5		
STIFF gray SILTY LOAM with SAND lens			3		
			5	1.8 P	24.0
	627.58		7		
		-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
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 2 of 2

Date 7/28/05

ROUTE FAP 561 DESCRIPTION P92-067-05 IL 2 WB over Little Creek, .2 m. W. of Sauk Valley College Entrance LOGGED BY W. Garza

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

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

STRUCT. NO. 052-0014
Station 66+53

BORING NO. B-2b
Station 66+29
Offset 13.00ft Lt CL WB
Ground Surface Elev. 666.58 ft

Surface Water Elev. ft
Stream Bed Elev. 653.58 ft

Groundwater Elev.:
First Encounter 646.6 ft ▼
Upon Completion Wash ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
STIFF gray SILTY CLAY			4		
			4	1.1 P	25.0
	625.08		6		
VERY STIFF gray SILTY CLAY			6		
			8	3.9 B	23.0
	622.58		11		
		-45			
HARD gray SILTY CLAY			4		
			9	4.0 P	22.0
	620.08		15		
VERY STIFF gray SILTY CLAY			5		
			8	2.3 B	22.0
	617.58		10		
		-50			
VERY STIFF gray SILTY CLAY			5		
			6	2.9 B	24.0
	615.08		8		
STIFF gray SILTY CLAY with SAND lens			2		
			4	1.7 B	23.0
	612.58		5		
		-55			
VERY STIFF gray SILTY CLAY TILL			2		
			3	2.5 B	18.0
	610.08		4		
Wash			33		
VERY DENSE gray SILTY CLAY TILL			100/6.5"		
	607.08				
		-60			
DENSE gray dirty SAND & GRAVEL			12		
			19		
			25		
	604.58				
HARD olive green SILTY CLAY			28		
			29	6.0 B	19.0
	602.58		25		
		-65			
VERY STIFF gray SILTY CLAY TILL			11		
			18	2.1 S	19.0
			26		
Auger Refusal at 67.0'	599.58				
End of Boring					
		-70			
		-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)

MAURER ▲ STUTZ, INC.
ENGINEERS SURVEYORS

DESIGNED	BAS
CHECKED	KEF
DRAWN	SGM
CHECKED	RJA/KEF

SOIL BORINGS
IL RTE. 2 WB OVER LITTLE CREEK
STATION 66+52.00

SHEET NO. 20	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
20 SHEETS	561	31-1BR-1	LEE	92	53
	STRUCTURE NO. 052-0078		CONTRACT NO. 64B05		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		

..\052-0078-64B05-Borings.dgn 7/24/2009 9:30:40 AM