STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 308	109BR-5	WHITESIDE	83	52
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 18
19 SHEETS

Contract #64C25

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways / District – Materials

Page 1 of 4 — Date 8/29/06

ROUTE FAP 308 — DESCRIPTION P92-060-06 Bridge on IL 84 over Cattail Creek, .9 m. S. of US 30 — LOGGED BY W. Garza

SECTION 109 BR-5 — LOCATION Garden Plain Twp. - 4 SW, SEC. , TWP. 21N, RNG. 3E

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

STRUCT. NO. — Station 1016+04

BORING NO. B-2 — Station 344+09 — Offset 12.00ft L1 CL — Ground Surface Elev. 199.00 ft

Surface Water Elev. 85.00 ft — Stream Bed Elev. 84.50 ft

Groundwater Elev.: First Encounter 179.0 ft ▼ — Upon Completion Wash ft — After ___ Hrs. ___ ft

Description	Elev.	DEPTH	BLOWS (/6")	UCS (tsf)	MOIST CO
19" Asphalt					
DRY tan fine SAND			1 / 1 / 1	0.7 / B	37.0
	196.50				
STIFF redish brown LOAM with SAND lens			2 / 2 / 4	1.4 / P	
	195.00				
LOOSE brown fine SAND		-5	2 / 3 / 4		
	192.50				
LOOSE brown fine SAND			1 / 3 / 4		
	189.50				
MEDIUM redish brown CLAY LOAM with SAND lens		-10	3 / 2 / 5	0.8 / P	17.0
	187.50				
MEDIUM dark gray SILTY LOAM			1 / 2 / 2	0.6 / P	32.0
	185.00				
MEDIUM gray SILTY LOAM		-15	1 / 1 / 2	0.6 / B	29.0
	182.50				
MEDIUM gray SILTY LOAM, concrete footing			1 / 100/6"	1.0 / P	28.0
	180.00				
		▼-20			
MEDIUM gray SILTY CLAY			1 / 1 / 1	0.7 / B	37.0
	177.00				
LOOSE gray fine SAND			1 / 3 / 5		
	175.00				
MEDIUM gray fine SAND		-25	2 / 4 / 8		
Wash MEDIUM gray clean medium coarse SAND		-30	8 / 9 / 11		
MEDIUM gray clean medium coarse SAND with GRAVEL		-35	7 / 7 / 8		
	159.00	-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)

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Groundwater Elev.: First Encounter 179.0 ft ▼ — Upon Completion Wash ft — After ___ Hrs. ___ ft

Description	Elev.	DEPTH	BLOWS (/6")	UCS (tsf)	MOIST CO
MEDIUM gray clean medium coarse SAND			7 / 8 / 12		
Wash MEDIUM gray clean medium coarse SAND		-45	7 / 8 / 9		
Wash MEDIUM gray clean medium coarse SAND with GRAVEL		-50	8 / 9 / 8		
Wash MEDIUM gray fine SAND		-55	5 / 6 / 9		
Wash MEDIUM gray fine SAND with GRAVEL			7 / 9 / 14		
	134.00	-65			
Wash DENSE gray clean medium coarse SAND			11 / 16 / 17		
	129.00	-70			
Wash VERY DENSE gray SAND with GRAVEL			15 / 27 / 28		
	127.50				
Extended on 6/13/07 Wash MEDIUM gray clean medium coarse SAND			9 / 10 / 13		
	125.00				
Wash DENSE gray clean medium coarse SAND		-75	10 / 18 / 16		
	122.50				
Wash MEDIUM tanish/gray fine SAND			3 / 4 / 9		
	120.00	-80			
	119.00	-80			

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Description	Elev.	DEPTH	BLOWS (/6")	UCS (tsf)	MOIST CO
Wash MEDIUM/DENSE gray fine SAND			6 / 13 / 17		
	117.50				
Wash MEDIUM gray fine SAND		-80	9 / 12 / 12		
	112.50				
	110.00				
Wash MEDIUM gray fine SAND		-90	4 / 7 / 12		
	107.50				
	105.00				
No Recovery		-95	2.3 / 100/6.5"		
	102.50				
	100.00				
		-100			
Wash No Recovery			19 / 25 / 16		
	97.50				
	95.00				
Wash DENSE gray clean medium coarse SAND		-105	5 / 13 / 17		
	92.50				
	90.00				
No Recovery		-110	6 / 9 / 11		
	87.50				
	85.00				
Wash Resists auger rotation No Recovery		-115	14 / 13 / 11		
	82.50				
	80.00				
		-120			

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Description	Elev.	DEPTH	BLOWS (/6")	UCS (tsf)	MOIST CO
Resists auger rotation					
	77.50				
	75.00				
Wash DENSE tan/gray clean medium coarse SAND with medium GRAVEL		-125	11 / 19 / 22		
	72.50				
End of Boring					
		-140			

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BORING LOGS
F.A.P. ROUTE 308 - SECTION 109BR-5
WHITESIDE COUNTY
STATION 344+76.69
STRUCTURE NO. 098-0114

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