STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 327	13B-1 & 13B-2	MARION	78	51
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 17
17 SHEETS

Contract No. 94964

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
District 7 Materials

Date 10/22/04

ROUTE FAP 327 (US 50) DESCRIPTION Skillet Fork Creek LOGGED BY E. Sandschafer

SECTION 13 B-2 LOCATION NW 14, SEC. 11, TWP. 2 N, RNG. 4 E, 3 PM

COUNTY Marion DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 061-0041
Station 679+43

BORING NO. 2 (W Abut)
Station 374+53
Offset 9.2 ft. Lt
Ground Surface Elev. 470.15 ft

Surface Water Elev. 451.05 ft
Stream Bed Elev. 448.29 ft

Groundwater Elev.:
First Encounter 443.2 ft
Upon Completion Washed ft
After ___ Hrs. samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
16" Asphalt Pavement.	468.85				
Soft to medium, damp, gray, SILTY LOAM. Samples swelled.			3		
			3	1.0	18
			3	S	
		-5	1		
			3	1.0	17
			2	B	
			1		
			2	0.9	11
			3	BS	
		-10	0		
			0	0.3	19
			1	B	
			0		
			0	0.3	23
			0	B	
		-15	0		
			1	0.8	20
			3	B	
			0		
			0	0.5	24
			0	B	
		450.15 -20	0		
Soft, damp, gray, SILTY LOAM. Samples swelled.			0	0.3	26
			0	B	
			0		
			0	0.3	27
			1	B	
		-25	0		
			2	0.3	29
			2	B	
			0		
			0	0.2	27
			1	B	
Gray, wet, fine grained, SAND.	441.85				
Soft, very damp, gray, SANDY LOAM.	440.65	-30	0		
			3	0.4	17
			4	B	
Stiff, damp, gray, CLAY LOAM TILL.	435.65	-35	0		
			5	1.5	16
			10	B	
	430.65	-40	3		

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 Washed ft
After ___ Hrs. samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Very stiff, damp, gray, CLAY TILL. Extremely cohesive. (continued)			8	2.2	16
			10	B	
		-45	2		
			5	1.7	17
			6	B	
Damp, gray, fine grained, SAND. 31% passing #200 sieve.	420.65	-50	19		
			26		17
			14		
Medium to stiff, damp, gray, CLAY TILL w/few coal fragments.	419.45				
		-55			
		-60	1		
Medium to stiff, damp, gray, CLAY TILL w/few coal fragments. (continued)			3	1.0	20
			5	B	
		-65			
			0		
			3	1.0	17
			3	B	
		-75			
	390.65	-80	1		

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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Station 679+43

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Groundwater Elev.:
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Upon Completion Washed ft
After ___ Hrs. samples ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Medium, very damp, grey mottled olive, SILTY LOAM. (continued)			3	0.8	24
			4	B	
		-85			
Very dense, wet, gray, SANDY LOAM w/many 3/4" topsize aggregate pieces.	380.65	-90	27		
			50/4"		13
			50/3"		
	370.65	-100	10		
Very dense, wet, dark gray, fine grained, SAND. 11% passing #200 sieve. (continued)			23		16
			29		
	368.15				
Very dense, moist, gray, CLAY SHALE.		-105			
	360.35	-110	50/3"		
Extent of exploration.			50/1"		
			50/1"		
Benchmark: BM 105 Chisled square in NW wingwall of Skillet Fork Creek bridge = 467.98', Station 374+75, Rt 17', provided by Program Development.					
		-95			
		-115			
		-120			

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BBS, from 137 (Rev. 8-99)

BORING LOGS
F.A.P. RTE. 327 - SEC. 13B-1 & 13B-2
MARION COUNTY
STATION 375+53.00
STRUCTURE NO. 061-0091

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