ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

Sheet 1 of 2

ILL 13 & 127 Over Beaucoup Creek

Route: ILL 13 & 127 Structure Number: 039-0077 Date: 7/28/2003

Section: Bored By: Bryan Keller

County: Jackson Location: 2.0 Mile South of Illinois Route 4 Checked By: Rob Graeff

Boring No 6-S
Station 2603+64
Offset CL
Ground Surface 371.6 ft

Surf Wat Elev: 352.0
Ground Water Elevation
When Drilling 354.6
At Completion
At: 24 Hrs: 366.4

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Stiff, very moist brown, Clay A7-6					2	2.2S	26
					4		
	1				1		
	1	1.3B	26		3	2.9S	26
	2				6		
367.1				342.1			
Stiff, moist, grey mottled brown, Clay to Silty Clay A7-6	5.0			Medium, very moist, brown, Clay A7-6	30.0	1	
		2	1.4S	27		2	0.9S	26
		3				4		
				339.6			
		1		Very stiff, moist, brown, Clay A7-6		1	
		2	1.6B	25		3	3.0S	26
		2				5		
362.1							
Stiff, moist, grey, Silty Clay A-6 with some Pea Gravel	10.0				35.0	1	
		2	1.4S	25		2	2.1S	36
		2				3		
359.6				334.6			
Medium, very moist, gray mottled brown Silty Clay Loam A-6 with some Pea Gravel				Stiff, very moist, grey, Silty Clay A7-6		1	
		0.8B	26		2	1.6S	27
	2				2		
357.1							
Stiff, very moist, grey mottled brown Silty Clay A7-6	15.0				40.0	1	
		1.3B	20		2	1.5B	24
	2				2		
354.6							
Stiff to very stiff, moist, grey mottled brown, Silty Clay A7-6		WH					
	2	2.0S	26				
	2						
352.1							
Very stiff, moist, brown, Clay A7-6	20.0	1			45.0	1	
	2	2.0S	30		2	1.0B	27
	3				3		
	1						
	3	2.4S	30				
	5						
				323.1			
	25.0	1			50.0	1	

N-Std Penetr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail, B-Bulge S-Shear E-Estimated P-Penetrometer)

Route: ILL 13 & 127
Section:
County: Jackson

Sheet 2 of 2
Date: 7/28/2003

Boring No: 6-S
Station: 2603+64
Offset: CL
Ground Surface: 371.6ft

DEPTH	BLOWS	Qu tsf	W%	DEPTH	BLOWS	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6	3	2.3S	27	296.1			
	5						
				Bottom of hole = 75.5 ft			
				Free water observed at 17.0 ft.			
317.1							
Hard, damp to moist, grey, Clay A7-6	55.0 1			Elevation referenced to Bk. Pier 1			80.0
	5	5.5S	22	Sta. 229+95			
	10			Elev. 387.8 ft			
				To convert "N" values to "N30" values multiply by 1.25.			
312.1							
Very loose, wet, grey, very fine Silty Sand 91% Sand 3% Silt 6% Clay	60.0 WR						85.0
	WR		24				
	WR						
307.1							
Medium, wet, grey, very fine Silty Sand	65.0 1						90.0
	1						
	3						
301.6	70.0 5						95.0
Hard, dry, grey, Clay Shale Cored from 70.5 ft to 75.5 ft. 60% Recovery 22% RQD	100/10"						
	75.0						100.0

N-Std Penetr Test: 2" OD Sampler,140# Hammer, 30" Fall (Type Fail, B-Bulge S-Shear E-Estimated P-Penetrometer)

BORING 6-S

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SPRINGFIELD, ILLINOIS 62703
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184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM
LS / PE / SE CORPORATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORINGS
STRUCTURE NO. 039-0077
SHEET NO. 32 OF 32 SHEETS

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
42	13B-1	JACKSON	112	66
IL 13/127 OVER BEAUCOUP CR.		CONTRACT NO. 78215		
	ILLINOIS FED. AID PROJECT			