STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 331	5B-3	JACKSON	25	25
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 11
11 SHEETS
CONTRACT NO. 98566

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAP 331 (ILL 13 WB) Over Piles Fork Creek

Sheet 1 of 2

Route: FAP 331 (ILL 13 **Structure Number:** 039-0018 **Date:** 10/07/1999

Section 5B-3 **Bored By:** Bryan Keller

County: Jackson **Location:** ECL Carbondale **Checked By:** R Moberly

Boring No 2-S
Station 86+66
Offset 14' RT CL
Ground Surface 389.7 Ft

Surf Wat Elev: 376.2
Ground Water Elevation
when Drilling 374.7
At Completion 352.7
At: **Hrs:**

Description	DEPTH	BLOW	Qu tsf	W%
Concrete Pavement				
388.7				
Crushed Aggregate				
387.7				
Stiff, moist, grey, Silty Clay A-6		1		
		2	1.1B	23
		2		
385.2				
Medium, moist, grey, Silt Loam A-4	5.0	1		
		1	0.7B	22
		1		
382.7				
Soft, moist, grey, Silt Loam to Silty Clay Loam A-4		WH		
		1	0.4S	26
		1		
	10.0	WH		
		WH	0.3B	27
		WH		
377.7				
Soft, very moist, grey, Silt Loam A-6 with Sandstone Gravel		WH		
		7	0.4B	26
		2		
375.2				
Very soft, very moist, grey, Silt Loam A-4 with Sand layers	15.0	WH		
		WH	0.2B	25
		WH		
372.7				
Stiff, moist, brown mottled grey, Silty Clay A-6		1		
		1	1.1S	26
		1		
370.2				
Very stiff, moist, brown, Silty Clay A-6	20.0	2		
		4	2.9S	21
		5		
367.7				
Very stiff, moist, brown, Clay to Silty Clay A7-6		2		
		4	3.5B	18
		6		
	25.0	3		

Description	DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, brown, Clay to Silty Clay A7-6		5	3.5B	18
		6		
362.7				
Stiff, moist, grey, Clay to Silty Clay A7-6		1		
		3	1.1B	18
		3		
	30.0	1		
		3	1.4B	18
		3		
357.7				
Stiff, moist, grey, Clay A7-6		1		
		3	1.1B	17
		5		
	35.0	2		
		3	1.9B	18
		4		
352.7				
Stiff, moist, grey, Clay A7-6 with Sand seams		2		
		5	1.9S	17
		4		
350.2				
Very stiff, moist, grey, Clay A7-6	40.0	2		
		4	2.5B	16
		5		
345.2				
Hard, moist, grey, Clay A7-6	45.0	2		
		5	6.5B	16
		10		
340.2				
	50.0	2		

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

Sheet 2 of 2

Route: FAP 331 (ILL 13) **Date:** 10/07/1999

Section: 5B-3

County: Jackson

Boring No: 2-S
Station: 86+66
Offset: 14' RT CL
Ground Surface: 389.7 Ft

Description	DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, brown, Clay A7-6		6	2.7B	24
		7		
	55.0	2		
		5	2.6B	25
		8		
	60.0	2		
		5	2.6B	25
		7		
	65.0	3		
		6	2.3B	22
		6		
320.2				
Very stiff, moist, brown, Clay A7-6	70.0	2		
		6	2.7B	22
		8		
315.2				
	75.0	1		

Description	DEPTH	BLOW	Qu tsf	W%
Very stiff, moist, grey, Clay to Silty Clay A7-6		4	2.3B	18
		5		
310.2				
Stiff, moist, grey, Clay A7-6	80.0	2		
		4	1.7B	19
		5		
	85.0			
302.2				
Hard, dry, grey, Sandstone				
299.7	90.0	100/0.5"		
Bottom of hole = 89.6 feet				
Free water observed at 15.0 feet				
Elevation referenced to Bench Mark #1; Elevation= 390.37 feet	95.0			
NOTE: To convert "N" values to "N60" multiply by 1.25				
	100.0			

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

BORING LOGS
ILLINOIS ROUTE 13WB OVER
PILES FORK CREEK
FAP ROUTE 331 - SEC. 5B-3
JACKSON COUNTY
STATION 86+40.00
STRUCTURE NO. 039-2026