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19-OCT-2011 15:48

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

FA Rte 686 (IL 4) Over Beaucoup Creek
Route: FA Rte 686 (IL 4) Structure Number: 039-0042 Date: 9/29/2008
Section: 115B, 115B-BR Bored By: Rich Moberly
County: Jackson Location: 0.5 mi West of IL Rte 13/127 Checked By: Rob Graeff

Boring No: 2-S (2008)
Station: 1119+11
Offset: 35' Rt CL
Ground Surface: 366.9 Ft

Surf Wat Elev: 356.4
Ground Water Elevation when Drilling: 349.4
At Completion:
At: 72 Hrs: 364.8

DEPTH	BLOWS	Qu tsf	W%
Very stiff, moist, brown, Silt Loam to Silty Clay Loam A-4			
	1		
	5	2.1S	32
	6		
362.4			
Medium to stiff, very moist, brown Silty Clay Loam A-4 5.0	1		
	3	1.0B	24
	3		
	1		
	1	0.6B	28
	2		
357.4			
Soft, very moist, brown mottled grey, Silty Clay A-6 10.0	1		
	1	0.3B	33
	1		
354.9			
Very soft, wet, brown mottled grey, Silty Clay A-6	WH		
	WH	0.1B	32
	WH		
352.4			
Medium to soft, very moist, brown mottled grey, Silty Clay A-6 15.0	WH		
	WH	0.5B	29
	WH		
349.9			
Very soft, wet, grey mottled brown, Silty Clay A-6	WH		
	WH	0.2B	31
	WH		
347.4			
Medium, very moist, grey mottled brown, Clay A-7-6 20.0	WH		
	2	0.9B	22
	2		
344.9			
Very stiff, moist, grey mottled brown, Clay A-7-6	1		
	4	2.1B	17
	5		
25.0	1		
339.9			
Very stiff, moist, grey mottled brown, Clay A-7-6	1		
	4	2.1B	18
	6		
332.4			
Stiff, moist, grey, Clay A7-6 35.0	1		
	4	1.6B	19
	6		
329.9			
Very stiff, moist, grey, Silty Clay A-6	1		
	4	2.1B	18
	6		
327.4			
Stiff, moist, grey, Clay A7-6 40.0	1		
	3	1.6B	19
	4		
322.4			
Hard, moist, grey, Clay A7-6 45.0	1		
	5	4.1B	17
	10		
316.9	50.0	1	

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

Route: FA Rte 686 (IL 4)
Section: 115B, 115B-BR
County: Jackson

Sheet 2 of 2
Date: 9/29/2008

Boring No: 2-S (2008)
Station: 1119+11
Offset: 35' Rt CL
Ground Surface: 366.9 Ft

DEPTH	BLOWS	Qu tsf	W%
Medium, very moist, grey, fine Sand with Clay layers 70% Sand 16% Silt 14% Clay	5		19
	10		
	Washed 3'		
55.0	4		
	7		
	9		
	Washed 1'		
307.4			
Medium, very moist, grey, fine Sand with Silt layers 48% Sand 40% Silt 12% Clay 60.0	4		
	6		23
	10		
	Washed 1'		
65.0	3		
	4		
	10		
	Washed 1'		
296.9 70.0	12		
Hard, damp, grey, Clay Shale	100/8"		
75.0	100/2"		

DEPTH	BLOWS	Qu tsf	W%
Hard, damp, grey, Clay Shale			
286.9	80.0 100/2"		
Bottom of hole = 79.7 feet			
Free water observed at 17.5 feet			
Elevation referenced to BM @ NE wingwall = 384.3 feet			
To convert "N" values to "N60" values multiply by 1.25	85.0		
	90.0		
	95.0		
	100.0		

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

BORING 2-S

JACOBS	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BORING LOGS STRUCTURE NO. 039-0074	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -	REVISED -			686	114B-1	JACKSON	111	114
	PLOT DATE = 19-OCT-2011	DRAWN - C. SALLADE	REVISED -					CONTRACT NO. 78049		
FILE NAME=039-0074978049-Boring Log2.dgn		CHECKED - E. KRACK	REVISED -		SHEET NO. 32 OF 35 SHEETS			ILLINOIS FED. AID PROJECT		