

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

ILL 34 Over Stream East of Benton
Route: ILL 34 Structure Number: 028-0042 Date: 4/25/2006

Section _____ Bored By: Bryan Keller
County: Franklin Location: 0.9 MI. E. Benton Checked By: Rob Graeff

Boring No 1-S	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 391.5	D E P T H	B L O W S	Qu tsf	W%	Ground Water Elevation When Drilling 392.9 At Completion 388.1 At: 168 Hrs: 396.8
Stiff, moist, brown, Silty Clay A-6 with Coal Chips					377.9	4	0.8B	23		
						8				
		3				3				
Very stiff, moist, brown, Silt Loam A-6 with a Sand Layer		4	1.1B	22		7	2.5B	16		
		3				15				
					375.4					
	5.0	WH				30.0	5			
Stiff, moist, brown, Silt Loam A-6 with some Gravel		2	1.1B	21		7	1.2B	22		
		1				9				
					397.9					
Soft, very moist, brown, Silty Clay Loam A-6 with Coal Chips		1				3				
		2	0.4B	26		7	4.4B	17		
		2				8				
					395.4					
Very soft, very moist, brown, Silty Clay Loam A-6	10.0	WH				35.0	2			
		WH	0.2B	25		4	2.7S	16		
		WH				6				
					392.9					
Medium, very moist, brown, Silty Clay A-6 with Sandy Gravel Layers		WH				7				
		1	0.6B	18		86/12"				
		3								
	15.0	WH				40.0	100/8"			
		2	0.7B	21						
		4								
					387.9					
Soft, very moist, brown, Silty Clay A7-6		1								
		2	0.4B	23						
		4								
					385.4					
Stiff, moist, brown, Silty Clay A-6	20.0	2				45.0				
		6	1.9S	19						
		7								
					382.9					
Medium, very moist, brown, Silty Clay A-6 with Sandy Gravel Layers		2								
		5	0.9S	24						
		6								
	25.0	2				50.0	100/6"			

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation
Boring Log
Sheet 1 of 2

ILL 34 Over Stream East of Benton
Route: ILL 34 Structure Number: 028-0042 Date: 5/2/2006


Section _____ Bored By: Bryan Keller
County: Franklin Location: 0.9 MI. E. Benton Checked By: Rob Graeff

Boring No 2-S	D E P T H	B L O W S	Qu tsf	W%	Surf Wat Elev: 391.5	D E P T H	B L O W S	Qu tsf	W%	Ground Water Elevation When Drilling 390.2 At Completion 378.6 At: _____ Hrs: _____
Medium, very moist, brown, Silty Clay Loam A-6					379.2	14	3.7B	14		
						17				
		1				2				
		3	0.7B	20		3	3.7B	14		
		4				16				
					377.7					
Very stiff, moist, grey, Clay Loam A-6 with a Rotten Wood Layer		5.0				30.0	7			
Hard, damp, grey, Clay Loam A-6		2	0.7S	22		16	6.4B	13		
		3				16				
					375.2					
Hard, moist, grey, Clay Loam A-6		1				4				
		2	0.9S	22		8	4.7B	14		
		2				13				
					397.7					
Soft, very moist, brown, Silty Clay Loam A-6	10.0	WH				35.0	3			
		1	0.4B	25		8	3.3B	14		
		2				11				
					395.2					
Medium, very moist, grey mottled brown, Silty Clay A7-6		WH				9				
		1	0.8B	21		33				
		1				55				
					382.7					
Stiff, very moist, grey mottled brown, Silty Clay A-6 with a Sandy Gravel Layer	15.0	WH				40.0	10			
		3	1.1B	17		100/11"				
		4								
					390.2					
Medium, very moist to wet, brown, Silt Loam A-6 with Sandy Gravel Layers		2								
		4	0.7B	23						
		4								
					387.7					
Very stiff, moist, brown, Silty Clay A-6	20.0	4				45.0				
		8	3.7B	17						
		13								
					385.2					
Very stiff, moist, grey, Silty Clay A-6 with Coal Chips and Pea Gravel		3								
		7	2.6B	16						
		9								
	25.0	5				50.0				

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

Note:
Sheet 2 of 2 for borings 1-S and 2-S is not included because no relevant additional information concerning these borings is on Sheet 2.

SOIL BORINGS
STRUCTURE NO. 028-0084

 LIN ENGINEERING, LTD. Consulting Engineers Chatham, Illinois	SHEET NO. 17	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17 SHEETS	869	101B-1	FRANKLIN	40	32
		FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
		CONTRACT NO. 78086				