ILLINOIS DEPARTMENT OF TRANSPORTATION Bridge Foundation		
District Nine Materials Boring Log TLL 13 Over Big Muddy River Sheet 1 of 3	Sheet 2 of 3	
Route: ILL 13 Structure Number: 039-0013 and 039-0049 Date: 10/8/2004	Route: ILL 13 Date: 10/8/2004	Route: ILL 13
Section Bored By: Bryan Keller	Section:	Section:
County: Jackson Location: E. Edge of Murphysboro Checked By: Rob Graeff	County: Jackson	County: Jackson
Boring No. 6-3 D B Surf Wat Elev: 338.5 D B Ground Water Elevation E L	Boring No: 6-S D B E L E L	Boring No: 6-S
Station  343+17  P  O  when Drilling  333  P  O	Station: 343+17 POPOPO	Station: 343+17
Offset 22' RT EB CL T W Qu At Completion T W Qu	Offset: 22'RT EB CL T W Qu T W Qu Ground Surface: 383.0 Ft H tsf W%	Offset: 22' RT EB ( Ground Surface:
Ground Surface  383.0 Ft  H  tsf  W%  At:  68  Hrs:  357.5  H  tsf  W%    Very stiff, damp, brown, Silty	Medium very molet brown 2 0.85 28 Medium very molet brown 4 0.9P 22	Ground Surface:
Clay A-6	Clay A7-6 Clay A7-6 with Sand 2	
356,0	Layers	
1 Soft, very moist, brown, WH		Hard, dry, black Clay Sh
4 2.5B 11 Silty Clay loam A-6 1 0.4B 24		Bottom of hole = 102.5 t
		Bollom of hole = 102.5
353.5 5.0 2 Stiff, moist to very moist, grey, 30.0 WH	328.5  303.5    Stiff, very moist, brown, Clay  55.0  1  Loose to medium, wet, grey,  80.0  4	Free water observed at
4 2.1B 15 Clay A7-6 2 1.1B 21	A7-6 1 1.4S 30 fine Sand with Coal Chips and 5 23	Elevation referenced to
2	4 some Gravel 5 57% Sand	W Abut Str # 039-0013 Sta 343+06 Elevation =
376.0 351.0	6% Silt	Sta 545+00 Elevation =
Very stiff, moist to very moist,  1  Medium, very moist, grey,  WH    brown, Silty Clay A-6  3  2.1B  20  Clay A7-6  2  0.9B  29	4% Clay	To convert "N" values to values multiply by 1.25.
		values multiply by 1.23.
373.5	323.5	
Stiff, very moist, brown, Silty 10.0 1 35.0 WH	Soft to medium, very moist, grey,60.0 WH85.0	
Clay A7-6 2 1.1B 24 1 0.8B 29	Clay to Silty Clay A7-6 2 0.5B 24 with Sand Layers 2	
371.0  346.0    Stiff, moist to very moist, brown,  1  Medium, very moist, brown  WH		
Silty Clay to Silty Clay Loam 3 1.3S 20 mottled grey, Clay to Silty Clay 2 0.9B 27		
A-6 A7-6 3		
343.5 15.0 1 Medium, very moist, grey, 40.0 WH	318.5 293.5	
15.0  1  Medium, very moist, grey,  40.0  WH    2  1.3S  23  Clay A7-6  1  0.7B  26	Stiff, very moist, brown, Clay  65.0  4  Medium, wet, grey, Sandy  90.0  4    A7-6 with Clay Loam   7  1.3B  32  Gravel   10  17	
4 3	and Sand Layers 4 72% Sand; 15% Silt 15 6% Clay; 7% Gravel	
366.0		
Medium, very moist, brown,  WH    Silty Clay Loam A-6  2  0.7S  22	Hard, dry, black Coal100/3"	
363.5	313.5	
Medium, very moist, brown, 20.0 WH Stiff, very moist, brown, Clay 45.0 WH	Stiff, very moist, brown, Clay70.0 WH95.0	
Silty Clay to Silty Clay Loam 1 0.6S 25 A7-6 1 1.2S 31 A-6 1	A7-6 with Sand Layers 3 1.1S 35	
361.0	Hard, dry, black Coal 100/5"	
Clay Loam A-6 3 0.9B 20		
358.5 333.5	308.5	
25.0 WH 50.0 WH	75.0 1 100.0	
N-Std Pentr Test: 2" OD Sampler, 140# Hammer 30" Fall (Tupe Fail B-Bulge S-Shear E-Estimated P-Penetrometer)	N-Std Pentr Test: 2" OD Sampler, 140# Hammer. 30" Fall (Tvpe Fail. B-Bulge S-Shear E-Estimated P-Penetrometer)	N-Std Pentr Test
and the same solution aronear prestimated repetrometer)	(EV- Samuel, 30 FAIT (IVDE FAIT, B-BUIGE S-Shear L-Estimated F-Fenetrométer)	1/107 Common 401

NATES ASSOCIATES	LLNOS Estpon Business Center 1 100 Lanter Court, Suite 1 Collinaville, L. 60234 44/ 618.345.7233	M88CURI 1 Laclede Gas Building 720 Olive, Suita 1650 st. Louie, MC 63101 st/ 314.658.6301 fax: 314.558.9805	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	F.A.P.	SECTION	COUNTY TOTAL SHEET
				CHECKED -	REVISED -		STRUCTURE NO. 039-0076 (W.B.)	331	(12-1)B-1	JACKSON 200 164
			PLOT SCALE =	DRAWN -	REVISED -					CONTRACT NO. 78056
Engineering + Architecture			PLOT DATE =	CHECKED -	REVISED -		SHEET NO. 52 OF 53 SHEETS	ILLINOIS FED. AID PROJECT		

