ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 888	00-00065 -00-BR	GALLATIN	22	20
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

ILLINOIS DEPARTMENT OF TRANSPORTATION — Bridge Foundation Boring Log
District Nine Materials — Sheet 1 of 3

FAS 888 (New Haven Road) Over N. Fork Cypress Creek
Route: FAS 888 — Structure Number: 030-3001 — Date: 03/11/2003
Section 00-00065-00-BR — Bored By: Bryan Keller
County: Gallatin — Location: 3.65 MI N ILL 13 — Checked By: Rob Graeff

Boring No 2-S
Station 9+15
Offset 7' LT CL
Ground Surface 362.0 Ft

Surf Wat Elev: 347.0
Ground Water Elevation
when Drilling 330
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Cored Bridge Deck Suspended Augers				Medium, very moist, grey, Silty Clay Loam A-6		2 2	0.8S	21
					335.0			
				Stiff, moist, grey, Silt Loam A-4		2 5	1.3S	21
					332.5	5		
				Medium, very moist, grey, Silt Loam A-4	30.0	1 3	0.8S	22
					330.0	3		
				Medium to stiff, wet, grey, Silt Loam A-4		WR 3	1.0P	24
					327.5	7		
				Medium, very moist, grey, Silt Loam A-4	35.0	1 4	0.7S	24
						5		
						WR 4	0.9S	22
					322.5	5		
Very soft, very moist, Peat	15.0	WH WH WH	435	Soft to medium, very moist, grey, Silt Loam to Silty Clay Loam A-6	40.0	WH WH	0.5S	24
						5		
		WR WH 1	636					
					317.5			
	20.0	WR WR WR	351	Medium, very moist, grey, Silt Loam A-4	45.0	1 2 3	0.6S	21
	340.0							
Soft, very moist, grey, Clay to Silty Clay A7-6		WH WH WH	0.4B 28					
	337.5				312.5			
	25.0	WH			50.0	WR		

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

Route: FAS 888 — Sheet 2 of 3
Section: 00-00065-00-BR — Date: 03/11/2003
County: Gallatin

Boring No: 2-S
Station: 9+15
Offset: 7' LT CL
Ground Surface: 362.0 Ft

DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Very loose, wet, grey, very fine Silty Sand 82% Sand 13% Silt 5% Clay		WR WR		24		6 10		
	307.0		FOS=0.806					
Very stiff, moist, grey, Clay A7-6 9	55.0	2 3 5	3.5B	22	60.0	4 5 6		
	302.5							
Loose to medium, wet, grey, very fine Silty Sand with Clay Layers 71% Sand 20% Silt 9% Clay	60.0	3 4 6		22	65.0			
	297.5							
Medium, wet, grey, very fine Silty Sand with Clay Seams 98% Sand 1% Silt 1% Clay	65.0	3 8 7		22	90.0	5 8 11		
	292.5							
Medium, wet, grey, clean medium to coarse Sand with some Gravel 66% Sand 1% Silt 1% Clay 32% Gravel	70.0	4 5 8		17	95.0			
					267.5			
	75.0	5			100.0	4		

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

Route: FAS 888 — Sheet 3 of 3
Section: 00-00065-00-BR — Date: 03/11/2003
County: Gallatin

Boring No: 2-S
Station: 9+15
Offset: 7' LT CL
Ground Surface: 362.0 Ft

DEPTH	BLOW	Qu tsf	W%		DEPTH	BLOW	Qu tsf	W%
Medium, wet, grey, very fine Sand 98% Sand 2% Silt 2% Clay		11 17		21				
	105.0				130.0			
	282.5							
Dense, wet, grey, very fine Silty Sand	110.0	9 15 21			135.0			
	115.0				140.0			
	242.5							
Medium, wet, grey, very fine Silty Sand	120.0 241.0	3 8 12			145.0			
ESF = 81 Tons. Bottom of hole = 121.0 ft. Free water observed at 32.0 ft.								
	125.0				150.0			

Elevation referenced to BM # 2 Square Chiseled on Top of W. Curb 12' LT STA 10+01

To convert "N" values to "N60" values multiply by 1.25.

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

BORING 2

HLR
Rice, Berry and Associates
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Civil & Structural Engineers
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Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637

Account Number 12-38-0003-I
Date: 05/26/05

DESIGNED: T.P.L. | CHECKED: S.W.M. | DRAWN: D.B.

BORING 2
SECTION 00-00065-00-BR
F.A.S. 888 / C.H. 11
GALLATIN COUNTY
STR. NO. 030-3116 / STATION 10+00