ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 888	00-00065 -00-BR	GALLATIN	22	19
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:
Section 00-00065-00-BR — Bored By: Bryan Keller
County: Gallatin — Location: 3.65 MI N ILL 13 — Checked By: Rob Graeff

Boring No 1-S
Station 7+95
Offset 7' RT CL
Ground Surface 362.3 Ft

Surf Wat Elev: 347.0
Ground Water Elevation when Drilling 347.5
At Completion
At: Hrs:

DEPTH	BLOW	Qu tsf	W%	Description
				Bituminous Pavement 361.8
				Crushed Aggregate 360.3
	1			Very stiff, moist, grey Clay to Silty Clay A7-6
	6	2.1B	18	
	4			
				357.8
5.0	2			Stiff, moist, grey speckled brown, Clay to Silty Clay A7-6
	5	1.5B	20	
	6			
				355.3
	2			Very stiff, moist, grey, Silty Clay A-6
	4	2.1B	24	
	6			
				352.8
10.0	2			Stiff, very moist, grey, Clay A7-6
	4	1.2B	28	
	4			
				350.3
	1			Medium, very moist, grey, Clay A7-6
	2	0.7B	34	
	2			
				347.8
15.0	WH			Very loose, wet, grey, very fine Silty Sand 94% Sand 4% Silt 2% Clay
	WH		25	FOS= 0.082
	2			
	WH			
	WH			FOS= 0.069
	1			
				342.8
20.0	4			Medium, wet, grey, very fine Silty Sand
	7			
	5			
	5			
	9			
	5			
				337.8
25.0	WH			

DEPTH	BLOW	Qu tsf	W%	Description
				Stiff,very moist, grey, Clay A7-6
	2	1.1S	35	
	1			
				332.8
30.0	1			Medium, very moist, grey, Clay A7-6
	2	0.9S	36	
	3			
	WH			
	WH	0.6B	46	
	1			
				327.8
35.0	WH			Soft, very moist, grey, Clay A7-6
	WH	0.4B	42	
	WH			
				325.3
	WH			Medium, very moist, grey, Clay A7-6
	2	0.9S	42	
	1			
				322.8
40.0	3			Medium, very moist, grey, Silt Loam to Silty Clay Loam A-6
	4	0.7S	22	
	4			
				317.8
45.0	3			Medium, very moist, grey, Silty Clay A7-6
	3	0.9B	23	
	2			
				312.8
50.0	2			

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 — Date:
Section: 00-00065-00-BR
County: Gallatin

Boring No: 1-S
Station: 7+95
Offset: 7' RT CL
Ground Surface: 362.3 Ft

DEPTH	BLOW	Qu tsf	W%	Description
	1	0.4S	24	Soft, very moist, grey, Silty Clay Loam A-6
	1			
				307.8
55.0	3			Medium, very moist, grey, Silty Clay Loam A-6
	3	0.6S	22	
	4			
60.0	3			No Recovery
	4			
	4			
				297.8
65.0	1			Soft to medium, very moist, grey, Clay A7-6 with fine Sand Layers
	2	0.5B	28	
	2			
				292.8
70.0	6			Medium, wet, grey, very fine Silty Sand 91% Sand 6% Silt 3% Clay
	9		25	
	9			
				287.8
75.0	7			

DEPTH	BLOW	Qu tsf	W%	Description
	10		19	Medium, wet, grey, Sand with some Gravel 71% Sand 4% Silt 2% Clay 23% Gravel
	8			
80.0	8			
	9			
	8			
85.0				
90.0	7			
	7			
	9			
95.0				
100.0	8			

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 — Date:
Section: 00-00065-00-BR
County: Gallatin

Boring No: 1-S
Station: 7+95
Offset: 7' RT CL
Ground Surface: 362.3 Ft

DEPTH	BLOW	Qu tsf	W%	Description
	11		26	Medium, wet, grey, very fine Silty Sand with some Gravel 94% Sand 4% Silt 2% Clay
	12			
105.0				
110.0	6			
	8			
	9			
115.0				
120.0	9			Medium, wet, grey, very fine, Silty Sand
	13			
241.3	11			
				ESF = 71 Tons
				Bottom of hole = 121.0 ft.
125.0				

Elevation referenced to BM located on chiseled square on top of W. Curb 12' LT Station 10+01 Elev = 362.47 ft.

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

130.0				
135.0				
140.0				
145.0				
150.0				

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

BORING 1

HLR
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
801 S. Durkin Drive
Springfield, Illinois 62704
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637

Account Number 12-38-0003-1
Date: 05/26/05
DESIGNED: T.P.L. | CHECKED: S.W.M. | DRAWN: D.B.

BORING 1
SECTION 00-00065-00-BR
F.A.S. 888 / C.H. 11
GALLATIN COUNTY
STR. NO. 030-3116 / STATION 10+00