ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 888	00-00065 -00-BR	GALLATIN	22	22

FED. ROAD DIST. NO. | ILLINOIS | FED. AID PROJECT-

Sheet 1 of 3

ILLINOIS DEPARTMENT OF TRANSPORTATION
District Nine Materials

Bridge Foundation Boring Log

FAS 888 (New Haven Road) Over N. Fork Cypress Creek

Route: FAS 888 Structure Number: 030-3001 Date: 02/20/2003

Section 00-00065-00-BR Bored By: Bryan Keller

County: Gallatin Location: 3.65 MI N ILL 13 Checked By: Rob Graeff

Boring No 4-S
Station 12+25
Offset 6' LT CL
Ground Surface 361.9 Ft

Surf Wat Elev: 349.9
Ground Water Elevation
when Drilling 344.9
At Completion
At: Hrs:

Description	Elev.	DEPTH	BLOW	Qu tsf	W%
Bituminous Pavement	360.9				
Crushed Aggregate	359.9				
Medium, moist, brown, fine Sand 86% Sand 8% Silt 6% Clay			5 / 15 / 11		12
	354.9	5.0	2 / 6 / 7		
Medium, moist, grey, Clay A7-6 with a Gravel Layer	352.4		1 / 4 / 10	0.9S	30
Stiff, moist, grey, Clay A7-6	349.9	10.0	1 / 4 / 5	1.9	53
Medium, moist, grey, Clay A7-6	347.4		WH / 2 / 2	0.9S	51
Medium, very moist, grey, Clay A7-6	344.9	15.0	WH / 1 / 1	0.7B	55
Loose, wet, grey, very fine Silty Sand 95% Sand 3% Silt 2% Clay	342.4		WH / 4 / 5		21
Stiff, moist to very moist, grey, Clay 7-6		20.0	WH / 2 / 2	1.8S	35
	337.4		WH / 2 / 3	1.5S	36
		25.0	1		

Description	Elev.	DEPTH	BLOW	Qu tsf	W%
Medium, very moist, grey, Clay A7-6	334.9		2 / 2	0.7B	45
Stiff, very moist, grey, Silty Clay to Clay A7-6	332.4		WH / 2 / 2	1.1B	21
Stiff, very moist, grey, Silty Clay to Silty Clay Loam A-6	329.9	30.0	WH / 2 / 3	1.2B	21
Medium, very moist, grey, Silt Loam A-4	327.4		1 / 5 / 6	0.7S	18
Soft, very moist, grey, Silt Loam A-4		35.0	WH / WH / WH	0.3B	20
	322.4		WH / WH / 3	0.3S	21
Very soft, very moist to wet, grey, Silt Loam A-4		40.0	WR / WR / WH	0.2E	24
	312.4	45.0	WR / WR / 2	0.4S	25
		50.0	WH		

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

Sheet 2 of 3

Route: FAS 888 Date: 02/20/2003
Section: 00-00065-00-BR
County: Gallatin

Boring No: 4-S
Station: 12+25
Offset: 6' LT CL
Ground Surface: 361.9 Ft

Description	Elev.	DEPTH	BLOW	Qu tsf	W%
Soft, very moist, grey, Silty Clay A-6 with Sand and Rotten Wood Layers	307.4		1 / 2	0.4S	27
Very stiff, moist, grey, Clay A7-6	302.4	55.0	1 / 4 / 6	2.1S	28
Very loose, wet, grey, very fine Silty Sand 84% Sand 8% Silt 8% Clay	297.4	60.0	WH / 1 / 1		21
Stiff, very moist, grey, Clay A7-6	292.4	65.0	WH / WH / WH	1.4S	38
Medium, wet, grey, fine Silty Sand with some Pea Gavel 81% Sand 5% Silt 5% Clay 9% Gravel	287.4	70.0	7 / 8 / 11		23
		75.0	8		

Description	Elev.	DEPTH	BLOW	Qu tsf	W%
Medium, wet, grey, Sandy Gravel 68% Sand 1% Silt 2% Clay 29% Gravel	282.4		13 / 15		17
Medium, wet, grey, fine Sand with some Gravel 85% Sand 3% Silt 1% Clay 11% Gravel	272.4	80.0	8 / 8 / 9		21
		85.0			
Medium, wet, grey, fine Sand with some Gravel and Rotten Wood 82% Sand 3% Silt 2% Clay 13% Gravel		90.0	6 / 7 / 10		23
		95.0			
		100.0	10		

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

Sheet 3 of 3

Route: FAS 888 Date: 02/20/2003
Section: 00-00065-00-BR
County: Gallatin

Boring No: 4-S
Station: 12+25
Offset: 6' LT CL
Ground Surface: 361.9 Ft

Description	Elev.	DEPTH	BLOW	Qu tsf	W%
Medium, wet, grey, fine Sand with some Gravel and Rotten Wood	252.4	105.0	8 / 9		
Dense, wet, grey, very fine Silty Sand 92% Sand 6% Silt 2% Clay		110.0	20 / 19 / 17		24
		115.0			
Dense, wet, grey, very fine Silty Sand	240.9	120.0	9 / 15 / 23		
ESF = 78 Tons; Bottom of hole = 121.0 ft.; Free water observed at 17.0 ft.; Elevation referenced to BM #2		125.0			

Description	DEPTH	BLOW	Qu tsf	W%
Chiseled square Top of W. Curb12.0' LTSTA 10+01Elev = 362.47ft. 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 4

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 4
SECTION 00-00065-00-BR
F.A.S. 888 / C.H. 11
GALLATIN COUNTY
STR. NO. 030-3116 / STATION 10+00