ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.S. 712	02-00104 -00-BR	FAYETTE	21	2
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT-		

CONTRACT NO. 95469

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax

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Bridge Foundation Boring Log

Project: H-05004 Bridge STR. No. 026-3002 Date: 01/12/05
Section: 02-00104-00-BR Station 102+54.5
Route: Bored by: S. Marcec
County: Fayette Checked By: T. Holcomb

Boring No: 1
Station:
Offset:
100.0 = 550.0 U.S.G.S.

Surface Water Elev.
Ground Water Elev. During Drilling 84.4
Upon Completion

Description	Elevation	N	Qu tsf	w %
Ground Surface 549.9 99.9	0			
Brown Silty CLAY (CL)		4	0.7B	23
544.9 94.9	-5	5	1.1B	28
Brown Sandy CLAY (A-6) with thin sand lenses		5	0.9B	15
	-10	6	0.5B	20
538.9 88.9				
Brown Sandy CLAY to Clayey SAND (A-2-4)		1	0.5B	18
535.4 85.4				
Brown Medium SAND (A-2-4)	-15	5	--	19
532.9 82.9		63	--	14
Brown Mottled Gray SHALE				
530.9 80.9		100/4"	--	11
Gray SHALE	-20			
		100/4"	--	11

shale continued

Description	Elevation	N	Qu tsf	w %
525.9 75.9		100/5"	3.7S	14
End of Boring @ -24.0'	-25			
	-30			
	-35			
	-40			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"

Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%

B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 1

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Page 1 of 1

Bridge Foundation Boring Log

Project: H-05004 Bridge STR. No. 026-3002 Date: 01/12/05
Section: 02-00104-00-BR Station 102+54.5
Route: Bored by: S. Marcec
County: Fayette Checked By: T. Holcomb

Boring No: 2
Station:
Offset:
100.0 = 550.0 U.S.G.S.

Surface Water Elev.
Ground Water Elev. During Drilling dry
Upon Completion dry

Description	Elevation	N	Qu tsf	w %
Ground Surface 549.5 99.5	0			
Brown Silty CLAY (CL)		7	1.1B	14
	-5	6	0.7S	19
	-10	5	0.8S	15
538.5 88.5				
Dark Brown Sandy CLAY (A-6)		4	0.6B	23
535.5 85.5				
Dark Brown Clayey SAND (A-2-4)	-15	wh	0.1B	25
533.0 83.0				
Brown Mottled Gray Clayey SAND (A-2-4)		wh	0.4S	22
531.0 81.0				
Brown SAND (A-2-4)		3	--	21
	-20			
528.5 78.5				
Gray Medium SAND (A-2-4)		3	--	19

sand continued

Description	Elevation	N	Qu tsf	w %
526.0 76.0				
Gray Shale		100/4"	--	10
	-25	100/2"	--	8
520.0 70.0		100/5"	--	9
End of Boring @ -29.5'	-30			
	-35			
	-40			

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"

Qu-Unconfined Compressive Strength in tons/sq.ft.
w-Water Content-percentage of oven dry weight-%

B = Bulge Failure
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 2

HLR
Rice, Berry and Associates
A Division of Hampton, Lenzini and Renwick, Inc.
Civil & Structural Engineers
3085 Stevenson Drive
Suite 201
Springfield, Illinois 62703
217-546-3400
P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637

Account Number 12-34-0002-1
Date: 03/13/06
DESIGNED: S.M.S. | CHECKED: S.W.M. | DRAWN: D.T.M.

BORINGS

SECTION 02-00104-00-BR
F.A.S. 712 / C.H. 24
FAYETTE COUNTY
STR. NO. 026-3431 / STATION 102+50