

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

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: I. Holcomb

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

	Elevation	N	Qu tsf	w %	Surface Water Elev.		Elevation	N	Qu tsf	w %	
					During Drilling	Upon Completion					
Ground Surface	549.9	99.9	0								
Brown Silty CLAY (CL)						84.4					
					525.9	75.9			100/5"	3.7S	14
		4	0.7B	23	End of Boring @ -24.0'						
	544.9	94.9	-5	5	1.1B	28					
Brown Sandy CLAY (A-6) with thin sand lenses											
				5	0.9B	15					
				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		5		19					
Brown Medium SAND (A-2-4)											
	532.9	82.9		63		14					
Brown Mottled Gray SHALE											
	530.9	80.9		100/4"		11					
Gray SHALE											
				100/4"		11					

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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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: I. Holcomb

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

	Elevation	N	Qu tsf	w %	Surface Water Elev.		Elevation	N	Qu tsf	w %	
					During Drilling	Upon Completion					
Ground Surface	549.5	99.5	0								
Brown Silty CLAY (CL)											
					526.0	76.0					
				7	1.1B	14			100/4"	--	10
				6	0.7S	19			100/2"	--	8
				4	0.5S	12			100/5"	--	9
				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)					wh	0.1B	25				
	533.0	83.0									
Brown Mottled Gray Clayey SAND (A-2-4)					wh	0.4S	22				
	531.0	81.0		3		21					
Brown SAND (A-2-4)											
	528.5	78.5		3		19					
Gray Medium SAND (A-2-4)											

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
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Springfield, Illinois 62703
217-546-3400
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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