

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

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	Elevation	N	Qu tsf	w %	Surface Water Elev.	Ground Water Elev. During Drilling	Upon Completion	Elevation	N	Qu tsf	w %
100.0 = 550.0 U.S.G.S.													
Ground Surface 549.9 99.9 0 shale continued													
Brown Silty CLAY (CL) 525.9 75.9 100 /5 3.7S 14													
End of Boring @ -24.0' -25													
544.9 94.9 -5 5 1.1B 28													
Brown Sandy CLAY (A-6) with thin sand lenses													
5 0.9B 15 -30													
-10 6 0.5B 20													
538.9 88.9 Brown Sandy CLAY to Clayey SAND (A-2-4) 1 0.5B 18 -35													
535.4 85.4 Brown Medium SAND (A-2-4) -15 5 -- 19													
532.9 82.9 Brown Mottled Gray SHALE 63 -- 14 -40													
530.9 80.9 Gray SHALE 100 /4 -- 11 -20													
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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Boring No. 2	Station	Offset	Elevation	N	Qu tsf	w %	Surface Water Elev.	Ground Water Elev. During Drilling	Upon Completion	Elevation	N	Qu tsf	w %
100.0 = 550.0 U.S.G.S.													
Ground Surface 549.5 99.5 0 sand continued													
Brown Silty CLAY (CL) 526.0 76.0 100 /4 -- 10													
Gray Shale 7 1.1B 14 -25													
-5 6 0.7S 19 100 /2 -- 8													
4 0.5S 12 520.0 70.0 100 /5 -- 9													
End of Boring @ -29.5' -30													
-10 5 0.8S 15													
538.5 88.5 Dark Brown Sandy CLAY (A-6) 4 0.8B 23 -35													
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 -40													
531.0 81.0 Brown SAND (A-2-4) 3 -- 21 -20													
528.5 78.5 Gray Medium SAND (A-2-4) 3 -- 19													

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"  
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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  
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Suite 201  
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12-34-0002-1  
Date: 03/13/06  
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618-790-4637  
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