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-09033
Section: 07-06115-00-BR
Structure: 024-3064
County: Edwards

Bridge Over Butter Creek
Station

Date: 2-12-09
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 374.1
Upon Completion plugged

	Elevation	N	Qu	tsf	% w
Ground Surface	391.6				
8" C. Stone	390.9				
Brown Mottled Gray Clayey SAND (A-2-4)		6	0.4S		24
	388.1				
Gray Mottled Brown Silty CLAY (A-6) w/ sand	-5	10	1.2S		17
		15	2.1S		20
	382.1				
Brown Mottled Gray Silty CLAY (A-6) w/ sand and pebbles	-10	8	1.6B		19
		8	1.6B		19
	-15	9	1.9B		22
		8	1.4B		22
	-20	6	0.5B		24
	370.6				
Brown Fine to Medium SAND (A-2-4)		27	---		19
Sand (continued)					
	-25	45	---		17
	365.6				
Black SHALE		100/3"	---		7
	363.1				
Gray SHALE	-30	100/6"	---		8
		100/3"	---		5
	357.6	100/6"	---		6
End of Boring @ -34.0'	-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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Bridge Foundation Boring Log

Project: H-09033
Section: 07-06115-00-BR
Structure: 024-3064
County: Edwards

Bridge Over Butter Creek
Station

Date: 2-12-09
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 370.6
Upon Completion plugged

	Elevation	N	Qu	tsf	% w
Ground Surface	391.6				
8" C. Stone	390.9				
Brown Mottled Gray Clayey SAND (A-2-4)		5	0.5B		21
	388.1				
Gray Mottled Brown Silty CLAY (A-6) w/ sand	-5	8	0.5S		18
		11	1.2S		15
	-10	7	1.4S		25
	380.6				
Brown Mottled Gray Silty CLAY (A-6) w/ sand and pebbles		7	1.2B		19
	-15	10	2.3B		19
	375.6				
Gray Mottled Brown Sandy CLAY (A-6) w/ sand and pebbles		9	1.2S		21
	-20	8	0.7S		24
	370.6				
Brown Fine to Medium SAND (A-2-4)		26	---		17
Sand (continued)					
	-25	46	---		19
	365.6				
Black SHALE		100/6"	---		9
	362.6				
Gray SHALE	-30	100/3"	---		7
		100/5"	---		5
	357.6	100/5"	---		5
End of Boring @ -34.0'	-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--%

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S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 2

DESIGNED	A.S.L.
CHECKED	S.W.M.
DRAWN	D.A.B.
CHECKED	S.W.M.

BORINGS
STRUCTURE NO. 024-3138

HAMPTON, LENZINI AND RENWICK, INC.
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184.000959
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORPORATION

PROJECT NUMBER: 09.0007.130 DATE: 02/23/10

SHEET NO. 8
8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
185	07-06115-00-BR	EDWARDS	12	12
ROAD DISTRICT #6		CONTRACT NO. 95633		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		