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

Page 1 of 2

Bridge Foundation Boring Log

Project: H-08067 Bridge
Section: 08-09113-00-BR Station
Struct: 3085
County: Hamilton

Date: 4/25/08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 350.2 ~~349~~
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
Ground Surface 396.2 ~~398.8~~	0			
4" Crushed Stone 392.9 ~~396.5~~				
Gray Mottled Silty CLAY to Clayey SILT (A-6 to A-4)		15	1.7S	21
	-5	7	1.3S	21
391.7 ~~393.4~~				
Gray Mottled Brown Silty CLAY to CLAY (A-6)		5	1.7B	26
	-10	6	1.3B	20
386.7 ~~388.4~~				
Brown Mottled Gray Silty CLAY (A-6) with sand		5	1.2B	20
	-15	8	2.9S	21
		9	1.9S	23
	-20	8	1.4B	29
		8	1.4B	17
(silty clay cont.)	-25	7	1.0B	16
		32	4.3S	11
	-30	35	4.1S	11
364.2 ~~365.8~~				
Gray Sandy CLAY to CLAY (A-6)	-35	28	3.4B	23
	-40	25	5.3S	28
354.2 ~~355.8~~				
Gray Clayey 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

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

Page 2 of 2

Bridge Foundation Boring Log

Project: H-08067 Bridge
Section: 08-09113-00-BR Station
Struct: 3085
County: Hamilton

Date: 4/25/08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 350.2 ~~349~~
Upon Completion plugged

Description	Elevation	N	Qu tsf	w %
clayey sand (continued)	-45	26	---	16
349.2 ~~350.8~~				
Gray CLAY (A-6)	-50	17	3.8S	26
346.7 ~~348.4~~				
Gray SHALE		100 /6"	-	11
344.7 ~~346.4~~				
Gray LIMESTONE	-55	100 /2"	-	8
341.7 ~~343.4~~		100 /1"	-	5
End of Boring @ -56.5'	-60			
	-65			
	-70			
	-75			
	-80			
	-85			

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

BORINGS
STRUCTURE NO. 033-3310

DESIGNED -	S.M.S.
CHECKED -	S.W.M.
DRAWN -	D.A.B.
CHECKED -	D.T.M.

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
HLR
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
PROJECT NUMBER: 08.0102.130 DATE: 08/25/08

SHEET NO. 9
9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
234	08-09113-00-BR	HAMILTON	13	13
SOUTH CROUCH ROAD DISTRICT		CONTRACT NO. 99343		
FED. ROAD DIST. NO. 9	ILLINOIS	FED. AID PROJECT		