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-11057 Bridge Co Rd 1725 / Big Creek branch Date: 3/24/2011
Section: 09-09115-00-BR Station
Structure:
County: Hamilton

Bored by: D. Russell
Checked By: I. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 375.2
Upon Completion

	Elevation	N	Qu tsf	w %
Ground Surface 394.2	0			
6" Crushed Stone and CLAY Mix				
Brown Mottled Gray Silty CLAY (A-6)		7	0.6B	20
390.2				
Gray Mottled Brown Silty CLAY (A-6)	-5	4	0.6B	27
		3	0.5B	25
	-10	9	1.7B	26
382.7				
Brown Mottled Gray Sandy CLAY (A-6)		9	0.5B	22
	-15	4	0.3B	20
377.7				
Brown Mottled Gray Sandy CLAY (A-6) with pebbles		7	2.0B	19
	-20	10	1.7S	18
		39	6.1S	13
sandy clay (continued)				
370.2				
Gray Mottled Brown SHALE	-25	62	--	12
367.7		100/6"	--	7
Gray SHALE		100/4"	--	6
	-30			
362.7		100/6"	--	5
End of Boring @ -31.5'	-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-11057 Bridge Co Rd 1725 / Big Creek branch Date: 3/24/2011
Section: 09-09115-00-BR Station
Structure:
County: Hamilton

Bored by: D. Russell
Checked By: I. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 371.5
Upon Completion

	Elevation	N	Qu tsf	w %
Ground Surface 394.5	0			
6" Crushed Stone and CLAY Mix				
Brown Mottled Gray Silty CLAY (A-6)		11	1.3S	17
390.5				
Gray Mottled Brown Silty CLAY (A-6)	-5	9	1.4B	23
		7	0.8S	24
385.5				
Brown Mottled Gray Sandy CLAY (A-6) with gravel	-10	17	1.2S	17
380.5				
Gray Mottled Brown Sandy CLAY (A-6) with	-15	6	0.8B	19
378.0				
Brown Sandy CLAY (A-6)		5	1.3B	19
	-20	5	1.6B	16
373.0				
Gray Mottled Brown Sandy CLAY (A-6) with pebbles		11	2.8B	16
sandy clay (continued)				
370.5				
Gray Sandy CLAY (A-6) with pebbles	-25	35	6.5S	13
368.0				
Gray SHALE		63	--	8
		100/4"	--	6
	-30			
		100/4"	--	6
360.5		100/6"	--	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-%

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

BORING 2

FILE NAME = 090068-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000859		CHECKED - S.W.M.	REVISED -	
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	
	PLOT DATE = 1/30/2012	CHECKED - S.W.M.	REVISED -	

STATE OF ILLINOIS
HAMILTON COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 033-3311
SHEET NO. 8 OF 8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
107	09-09115-00-BR	HAMILTON	12	12
SOUTH CROUCH ROAD DISTRICT		CONTRACT NO. 99465		
ILLINOIS	FED. AID PROJECT			