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-10063 Bridge Over Bonpas Tributary Date: 4/1/2010
Section: 09-05109-00-BR Station
Structure:
County: Edwards
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 363.0
Upon Completion 388.5

Description	Elevation	N	Qu tsf	w %
Ground Surface	401.5			
5" Crushed Stone	401.1			
Brown Silty CLAY (A-6)	0			
		12	3.3S	20
	398.0			
Gray Mottled Brown Silty CLAY (A-6)				
	-5	12	7.0S	19
		9	2.4S	25
	-10	8	1.7S	28
		5	1.2S	32
	-15	4	0.5B	41
	385.5			
Gray Silty CLAY to CLAY (A-6)				
		6	2.3S	29
	-20	5	1.4B	32
		5	1.4B	32
	55.5			
clay (continued)				
	-25	8	2.3S	30
	375.5			
Gray Silty CLAY (A-6) with sand				
		3	1.0B	46
	-30	2	1.7S	43
	-35	6	1.4B	35
	-40	15	1.5S	19

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

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Description	Elevation	N	Qu tsf	w %
Gray Medium SAND (A-2-4)	-45	27	--	22
	-50	24	--	12
	348.0			
Gray Silty CLAY to CLAY (A-7-6) with organics	-55	17	3.3B	18
	-60	15	3.3B	29
	338.0			
Brown Silty CLAY (A-6) with sand and pebbles	-65	100/4"	3.5S	17
clay (continued)				
	331.5 -70	34	1.0S	20
End of Boring @ -70.0'				
	-75			
	-80			
	-85			

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BORING 1

FILE NAME = 100060-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - D.W.T.	REVISED -	
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000958	PLOT DATE = 4/12/2011	CHECKED - S.W.M.	REVISED -	

BORINGS
STRUCTURE NO. 024-3140
SHEET NO. 8 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
122	09-05109-00-BR	EDWARDS	13	12
ROAD DISTRICT #5		CONTRACT NO. 95652		
		ILLINOIS FED. AID PROJECT		