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

Bridge Foundation Boring Log

Project: H-11087 Bridge Over Bear Creek Date: 6/9/11
Section: 09-08140-00-BR Station
Structure: Bored by: B. Schwartz
County: White Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 391.8
Upon Completion 412.8

Elevation	N	Qu tsf	% w	
414.8				Ground Surface
				Gray Mottled Brown Silty CLAY to CLayey SILT (A-6-4)
	7	1.4S	19	
	4	1.2S	27	
407.8				
	4	1.5S	23	Gray Silty CLAY to Clayey SILT (A-6)
	10	2.1S	19	
403.3				
	12	1.6S	20	Gray Mottled Brown Silty CLAY to Clayey SILT (A-6-4)
400.8				
	9	1.1B	19	Brown Mottled Sandy CLAY (A-6)
398.3				
	5	1.0S	20	Gray Mottled Brown Silty CLAY w/ sand to Sandy CLAY (A-6)
	7	2.3B	16	
393.3				
	3	--	24	Brown Clayey SAND w/gravel (A-2-4)
390.8				
	14	0.9S	23	Brown Mottled Gray Silty CLAY (A-6) w/sand
388.3				
	13	--	21	Brown Clayey SAND to SAND (A-2-4)
385.8				
	15	2.6S	20	Brown Mottled Gray Silty CLAY w/sand and pebbles (A-6)
380.8				
	25	2.6B	14	Gray Sandy CLAY w/pebbles (A-6)
375.8				
	13	--	18	Gray Fine to Medium SAND (A-2-4) w/gravel

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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Elevation	N	Qu tsf	% w	
	45	--	17	fine to medium sand (continued)
361.3				
	100/75"	--	12	Gray Shale
	100/74	--	13	
355.8				
	100/75	--	12	End Of Boring @ -59'

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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w-Water Content-percentage of oven dry weight-%

B = Bulge Failure
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BORING 1

FILE NAME = 110071-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	STATE OF ILLINOIS WHITE COUNTY HIGHWAY DEPARTMENT	BORING STRUCTURE NO. 097-3275
HAMPTON, LENZINI AND RENWICK, INC. 3055 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000859		CHECKED - S.W.M.	REVISED -		SHEET NO. 8 OF 10 SHEETS
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 2/10/2012	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
251	09-08140-00-BR	WHITE	14	13
INDIAN CREEK ROAD DISTRICT		CONTRACT NO. 99474		
ILLINOIS	FED. AID PROJECT			