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

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Bridge Foundation Boring Log

Project: H-09188 Bridge Co Rd 400 E Date: 8/4/09
Section: 09-09126-00-BR Station
Structure: Bored by: J. Carter
County: White Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 355.0
Upon Completion plugged

Elevation	N	Qu tsf	w %
Ground Surface 381.0			
4" A-3 Surface			
Brown Silty CLAY (A-6)			
	8	2.6S	23
377.5			
Gray Mottled Brown Silty CLAY (A-6)			
-5	6	1.6B	29
	8	1.8S	25
-10	8	1.9S	29
	7	1.6B	25
-15	7	1.5B	26
365.0			
Gray Mottled Brown CLAY (A-7-6)			
	5	0.8B	31
-20	8	2.3B	27
	6	1.2B	26
clay (continued)			
-25	5	1.2B	26
352.5			
Gray Mottled Brown CLAY (A-7-6)			
-30	10	2.5B	21
	3	--	24
-35			
344.0			
Gray Mottled Brown SHALE			
	100/3"	1.8S	10
-40			
340.0			
LIMESTONE	100/1"	--	4
338.5	100/1"	--	20
End of Boring @ -42.5'			

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-09188 Bridge Co Rd 400 E Date: 8/4/09
Section: 09-09126-00-BR Station
Structure: Bored by: J. Carter
County: White Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 353.0
Upon Completion plugged

Elevation	N	Qu tsf	w %
Ground Surface 380.5			
3" A-3 Surface			
Brown Silty CLAY (A-6)			
	8	1.6S	19
-5	5	1.2S	31
374.5			
Gray Mottled Brown CLAY (A-7-6)			
	8	1.7S	29
-10	8	1.4S	31
368.0			
Brown Mottled Gray CLAY (A-7-6)			
	7	1.3B	26
-15	9	1.7B	27
363.0			
Gray CLAY (A-7-6)			
	5	1.2B	27
-20	9	2.1B	24
	8	1.0B	25
clay (continued)			
-25	5	0.4B	32
	5	2.0B	27
352.0			
Gray Mottled Brown CLAY (A-7-6)			
-30	5	0.8B	30
347.0			
Brown Sandy CLAY (CL) with sandstone			
-35	22	2.7B	15
344.5			
Gray SHALE			
	100/3"	--	14
	100/2"	--	7
-40			
339.0	100/1"	--	7
End of Boring @ -41.5'			

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 =	USER NAME =	DESIGNED - A.S.L.	REVISED - 08/30/10	STATE OF ILLINOIS WHITE COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 097-3270 SHEET NO. 8 OF 8 SHEETS
HAMPTON, LENZINI AND RENWICK, INC. 3068 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000950		CHECKED - S.W.M.	REVISED -		
	PLOT SCALE =	DRAWN - D.T.M.	REVISED -		
	PLOT DATE = 10/7/2011	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-09126-00-BR	WHITE	12	12
MILL SHOALS ROAD DISTRICT		CONTRACT NO. 99445		
ILLINOIS	FED. AID PROJECT			