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-08196
Section: 08-00091-00-BR
Dist.: Oblong
County: Crawford

Bridge Over Dogwood Creek
Station 4+07

Date: 1/12/09
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 1
Station: 4+32
Offset: 10' RT

Surface Water Elev.
Ground Water Elev. During Drilling 472.1
Upon Completion plugged

Elevation	N	Qu tsf	w %	Elevation	N	Qu tsf	w %
Ground Surface 485.6 / 0 2" A-3/ 3" C. Stone 485.2				Sandy CLAY (A-6)			
Gray Mottled Brown Sandy CLAY (A-6) w/ pebbles	3	0.8S	18	-25	49	5.4S	9
-5	2	0.5S	20		35	6.2S	10
	6	1.4S	23	-30	35	7.0S	10
477.1							
Gray Silty CLAY (A-6) w/ sand	5	1.2S	23				
-10							
	3	0.4B	25	-35	85	3.5S	9
472.1							
Gray Mottled Brown Sandy CLAY (A-6) to Clayey SAND (A-2-4)	5	---	18				
-15				447.1			
	7	0.7B	22	Gray Fine SAND (A-2-4)			
				-40	100/4"	---	13
-20	18	---	15				
464.1							
Gray Silty CLAY (A-6) to	40	0.9B	15		100/0"	---	10

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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Surface Water Elev.
Ground Water Elev. During Drilling 472.1
Upon Completion plugged

Elevation	N	Qu tsf	w %	Elevation	N	Qu tsf	w %
sand (continued)				415.6 / -70	64	---	23
-45				End of Boring @ -70.0'			
437.4							
Gray Silty CLAY (A-6) w/ sand							
-50	125	---	8				
				-75			
-55	47	4.3S	11				
				-80			
-60	35	5.0B	14				
423.6							
Gray Fine to Medium SAND (A-2-4)				-85			
-65	32	---	24				

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BORING 1

FILE NAME =	USER NAME =	DESIGNED - V.J.H.	REVISED -	**STATE OF ILLINOIS** **CRAWFORD COUNTY HIGHWAY DEPARTMENT**	**BORINGS** **STRUCTURE NO. 017-3058**	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -			12	08-00091-00-BR	CRAWFORD	16	15
ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		SHEET NO. 11 OF 12 SHEETS				CONTRACT NO. 95649	
	PLOT DATE = 2/10/2011	CHECKED - D.T.M.	REVISED -					ILLINOIS	FED. AID PROJECT	