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

Bridge Foundation Boring Log

Project: H-11018 Bridge Co Rd 1700E over Lucas Creek Date: 2/11/2011
Section: 10-13112-00-BR Station
Structure: Bored by: J. Carter
County: Effingham Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 90.3
Upon Completion 91.8

Elevation		N	Qu tsf	w %
520.7	99.8			
	0			
		4	1.3B	22
517.2	96.3			
	-5	4	0.7B	22
513.2	92.3			
		17	--	17
	-10	66	5.9S	7
		86	4.7S	8
	-15	64	6.8S	8
		72	3.7S	8
	-20	57	4.5S	8
		63	6.8S	9

Ground Surface
4" A-3 surface
Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4)
Brown Sandy CLAY to Clayey SAND (A-6 to A-2-4)
Gray Sandy CLAY (A-6) with pebbles

Elevation		N	Qu tsf	w %
	-25	63	6.5S	8
495.7	74.8			
	-30			
	-35			
	-40			

sandy clay (continued)
End of Boring @ -25.0'

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

U.S.G.S. Elev. 520.9 = 100.0

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Bridge Foundation Boring Log

Project: H-11018 Bridge Co Rd 1700E over Lucas Creek Date: 2/11/2011
Section: 10-13112-00-BR Station
Structure: Bored by: J. Carter
County: Effingham Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 95.1
Upon Completion 85.1

Elevation		N	Qu tsf	w %
522.0	101.1			
	0			
		5	1.2S	15
518.5	97.6			
	-5	2	1.0B	25
		2	0.6B	21
512.5	91.6			
	-10	4	1.9S	12
		48	8.2S	8
	-15	48	9.7S	8
505.0	84.1			
		121	8.2S	8
	-20	61	7.1S	9
		51	6.7S	9

Ground Surface
4" A-3 surface
Brown Sandy CLAY (A-6)
Brown Mottled Gray Silty to Sandy CLAY (A-6)
Gray Sandy CLAY (A-6) with pebbles
Gray Sandy CLAY (A-6) with sand lenses

Elevation		N	Qu tsf	w %
	-25	48	9.2S	9
		88	--	10
492.0	71.1			
	-30	132	4.4S	11
	-35			
	-40			

sandy clay (continued)
End of Boring @ -30.0'

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

U.S.G.S. Elev. 520.9 = 100.0

BORINGS

FILE NAME = 100098-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	STATE OF ILLINOIS EFFINGHAM COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 025-3323
HAMPTON, LENZINI AND RENWICK, INC. 3065 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000959		CHECKED - S.W.M.	REVISED -		SHEET NO. 8 OF 8 SHEETS
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		
	PLOT DATE = 10/27/2011	CHECKED - S.W.M.	REVISED -		

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
266	10-13112-00-BR	EFFINGHAM	21	21
UNION ROAD DISTRICT		CONTRACT NO. 95669		
ILLINOIS FED. AID PROJECT				