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

Bridge Foundation Boring Log

Project: H-11092 Bridge Spring Garden Ln Date: 5/26/2011
Section: 10-04106-00-BR Station
Structure: Bored by: B. Schwartz
County: Jefferson Checked By: T. Holcomb

Boring No: 1
Station: 9+49
Offset: 9' Rt

Surface Water Elev.
Ground Water Elev. During Drilling 419.4
Upon Completion 421.4

Elevation	N	Qu tsf	w %	
Ground Surface 433.4	0			
Brown Silty CLAY (A-6) with sand and pebbles				
426.9				
Gray Silty CLAY (A-6)	6	1.1S	23	
424.4				
Gray Mottled Brown Silty CLAY (A-6)	7	1.2B	21	
421.9				
Gray Mottled Brown Sandy CLAY (A-6)	2	0.7B	22	
419.4				
Gray Mottled Brown Clayey SAND (A-2-4)	3	0.3B	23	
416.9				
Brown Mottled Gray Silty CLAY (A-6) with sand	6	--	23	
	3	1.4B	26	
	4	1.4B	27	
silty clay (continued)				
409.4				
Brown Mottled Gray Silty CLAY (A-6)	5	2.0B	27	
406.9				
Gray Sandy CLAY (A-6)	3	0.6B	24	
	3	0.9B	21	
399.9				
Gray SHALE	100/3"	-	6	
	100/3"	-	6	
394.4	100/4"	-	9	
End of Boring @ -39.0'				

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

BORING 1

HOLCOMB FOUNDATION ENGINEERING INC.
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Bridge Foundation Boring Log

Project: H-11092 Bridge Spring Garden Ln Date: 6/3/2011
Section: 10-04106-00-BR Station
Structure: Bored by: B. Schwartz
County: Jefferson Checked By: T. Holcomb

Boring No: 2
Station: 10+45
Offset: 9' Rt

Surface Water Elev.
Ground Water Elev. During Drilling 410.8
Upon Completion 416.8

Elevation	N	Qu tsf	w %	
Ground Surface 433.8	0			
5" Topsoil/Crushed Stone				
Brown Mottled Gray Silty CLAY (A-6)	7	2.3B	19	
430.8				
Gray Silty CLAY to Clayey SILT (A-6 to A-4)	1	0.5B	25	
	1	0.5B	25	
424.3				
Brown Silty CLAY (A-6) with trace sand	9	1.5B	19	
422.3				
Brown Sandy CLAY (A-6)	4	0.7B	22	
	1	0.5B	21	
417.8				
Brown Mottled Gray Fine SAND (A-2-4) with trace clay	2	--	25	
414.8				
Gray Mottled Brown Sandy CLAY (A-6)	4	0.9B	22	
	4	0.7B	27	
sandy clay (continued)				
410.8				
Gray Silty CLAY (A-6) with trace fine sand	3	--	23	
	4	0.9B	24	
405.8				
Gray CLAY (A-7-6)	2	1.0B	29	
	5	1.4B	25	
399.8				
Gray Silty CLAY (A-6) with trace fine sand	5	1.4B	25	
395.8				
Gray SHALE	100/4"	-	6	
	100/5"	-	7	
389.8	100/6"	-	12	
End of Boring @ -44.0'				

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

BORING 2

FILE NAME = 100238-sht-bridge.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000859		CHECKED - S.W.M.	REVISED -
	PLOT SCALE =	DRAWN - D.T.M.	REVISED -
	PLOT DATE = 3/1/2012	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
JEFFERSON COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 041-3750
SHEET NO. 11 OF 11 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
364	10-04106-00-BR	JEFFERSON	27	27
DODDS ROAD DISTRICT		CONTRACT NO. 99472		
ILLINOIS	FED. AID PROJECT BROS-0081(067)			