

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, Il. 62903 618-457-8991 fax Page 1 of 1

Bridge Foundation Boring Log

Project: H-09103 Bridge _____ Date: 4/15/09
Section: 08-09114-00-BR Station _____ Bored by: D. Russell
Structure: _____ Checked By: J. Holcomb
County: Hamilton

Boring No.	Station	Offset	Elevation	N	Qu tsf	w %	Surface Water Elev.	Elevation	N	Qu tsf	w %	
1							Ground Water Elev. During Drilling	369.7				Upon Completion dry
			Ground Surface	384.2	0		shale (continued)					
			4" Crushed Stone and Clay									
			Brown Mottled Gray Silty CLAY (A-6)					359.7	100/6"		8	
				6	1.5B	21	End of Boring @ -24.5'	-25				
				5	1.0S	21						
				5	1.8S	24		-30				
			Brown Mottled Gray SHALE					375.2				
				20	4.3S	15						
				44	5.0S	12		-35				
			Gray Mottled Brown SHALE					370.2				
						100/6"		-15			14	
			Gray SHALE					367.7				
						100/6"						
						100/6"		-20				
						100/6"						
						100/6"						

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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Boring No.	Station	Offset	Elevation	N	Qu tsf	w %	Surface Water Elev.	Elevation	N	Qu tsf	w %	
2							Ground Water Elev. During Drilling	dry				Upon Completion dry
			Ground Surface	385.7	0		shale (continued)					
			4" Crushed Stone and Clay									
			Brown Mottled Gray Silty CLAY (A-6) with sand					100/6"			9	
				22		11		-25				
			Gray Mottled Brown Silty CLAY to CLAY (A-6)					381.7				
				9	2.2S	20	End of Boring @ -27.0'	358.7				
				8	2.2S	23		-30				
			Gray Mottled Brown CLAY (A-6)					376.7				
				9	1.9B	25						
			Brown Mottled Gray SHALE					374.2				
				28	3.1S	17		-35				
				63	5.0S	13						
			Gray SHALE					369.2				
						100/6"						
						100/6"		-20				
						100/6"						

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BORING

FILE NAME = 090262-sht-brIDGE.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC. 3565 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62793 ILLINOIS PROFESSIONAL DESIGN FIRM 181 PF/SG CORP. 184-00089	PLOT SCALE =	CHECKED - S.W.M.	REVISED -
	PLOT DATE = 2/16/2011	DRAWN - D.A.B.	REVISED -
		CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
HAMILTON COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 033-3314
SHEET NO. 8 OF 8 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
296B	08-09114-00-BR	HAMILTON	12	12
SOUTH CROUCH ROAD DISTRICT		CONTRACT NO. 99454		
ILLINOIS FED. AID PROJECT BR05-01061049				