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-11021
Section: 10-02118-00-BR
Route:
County: Edwards

Bridge
Station

Date: 2/4/11
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 400.9
Upon Completion 396.9

Description	Elevation	N	Qu tsf	w %
Ground Surface 409.9	0			
3" Topsoil 409.7				
Brown Clayey SILT (A-4)				
		9	1.0B	23
	-5	11	1.0S	25
403.4				
Gray Mottled Brown Clayey SILT (A-4)		3	0.6B	26
400.9				
Gray Mottled Brown Clayey SAND (A-2-4)	-10	5	--	20
		2	--	23
395.9				
Gray Sandy CLAY (A-6) (A-4)	-15	2	0.4B	22
393.9				
Gray Silty CLAY (A-6)		2	0.9B	28
	-20	2	1.0E	26
		4	1.2B	22
silty clay (continued)				
385.9				
Gray Silty CLAY (A-6) with sand	-25	4	0.7B	23
		4	1.2B	22
381.9				
Gray Sandy CLAY (A-6)	-30	5	1.4B	18
	-35	15	2.7B	16
	-40	14	2.6S	23
		19	2.4S	19

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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Upon Completion 396.9

Description	Elevation	N	Qu tsf	w %
sandy clay (continued)	-45			
363.9				
Gray SANDSTONE		100/.4	--	20
		100/.4	--	17
	-50			
358.4		100/.4	--	12
End of Boring @ -51.5'				
	-55			
	-60			
	-65			

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BORING 1

FILE NAME = 102369-sht-bridge.dgn	USER NAME =	DESIGNED - D.W.T.	REVISED -	STATE OF ILLINOIS EDWARDS COUNTY HIGHWAY DEPARTMENT	BORINGS STRUCTURE NO. 024-3142	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC. 3001 STATE DIVISION DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62711 ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.E. / SE CORP. 184.000891	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			62	10-02118-00-BR	EDWARDS	13	12
	PLOT DATE = 10/2/2012	DRAWN - D.A.B.	REVISED -		SHEET NO. 8 OF 9 SHEETS	ROAD DISTRICT #2		CONTRACT NO. 95683		
		CHECKED - S.W.M.	REVISED -					ILLINOIS FED. AID PROJECT BROS-047(037)		