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 Bridge
Section: 10-02118-00-BR Station
Route:
County: Edwards

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

Boring No. 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 400.7
Upon Completion 396.7

Elevation	N	Qu tsf	w %	
409.7				Ground Surface
409.3				5" Crushed Limestone
				Brown Clayey SILT (A-4) to Silty CLAY (A-6)
403.2	3	--	24	
	3	0.5B	33	
400.7	0	0.3B	29	Gray Mottled Brown Clayey SILT (A-4)
395.7	3	0.4B	37	Gray Clayey SAND (A-2-4)
	3	0.3B	23	
390.7	3	1.2B	19	Gray Sandy CLAY (A-6) (A-4)
	3	0.6B	33	
385.7	2	1.2B	27	Gray Silty CLAY (A-6)
	3	1.6B	22	Gray Sandy CLAY (A-6)
383.2	0	0.6B	28	Gray Silty CLAY (A-6)
	4	0.7B	23	
375.7	9	--	18	Gray Fine to Medium SAND (A-2-4) with gravel
370.7	21	4.1S	22	Gray to Brown Weathered SHALE
365.7	18	--	23	Gray Weathered SANDSTONE

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.
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Upon Completion 399.7

Elevation	N	Qu tsf	w %	
				weath. sandstone (continued)
363.7	100/.75	--	18	Gray SANDSTONE
	100/.75	--	16	
358.2	100/.75	--	18	End of Boring @ -51.5'

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"

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BORING 2

FILE NAME = 120389-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. 525 S. STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -			62	10-02118-00-BR	EDWARDS	13	13
HLR ILLINOIS PROFESSIONAL DESIGN FIRM LS/PE/SE CORP 184.001958	PLOT SCALE =	DRAWN - D.A.B.	REVISED -		SHEET NO. 9 OF 9 SHEETS	ROAD DISTRICT #2		CONTRACT NO. 95683		
	PLOT DATE = 10/2/2012	CHECKED - S.W.M.	REVISED -			ILLINOIS	FED. AID PROJECT BROS-047(037)			