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

Bridge Foundation Boring Log

Project: H-08074 Bridge
Section: 06-00061-00-BR Station
Structure: 024-3082
County: Edwards

Date: 5-2-08
Bored by: J. Carter
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 401.5Z
Upon Completion plugged

Elevation	N	Qu tsf	w %	Material
0				Ground Surface 420.0Z 2" Asphalt over 7" Crushed Stone 419.4Z
	12	2.0S	15	Brown Mottled Gray Silty to Sandy CLAY (A-6)
-5	11	---	12	
				414.0Z
	1	0.4B	23	Gray Silty CLAY to Sandy CLAY (A-6)
-10	2	0.5B	22	
				406.0Z
-15	3	1.0B	25	Brown Mottled Gray Silty to Sandy CLAY (A-6)
	3	0.7S	21	
-20	3	---	23	
				399.0Z
	3	1.1B	28	Gray Silty CLAY to CLAY (A-7-6)
-25	3	0.8B	25	clay (continued)
	3	0.9B	22	
				391.5Z
-30	13	0.7B	18	Gray Clayey SAND (A-2-4) (A-2-4)
				386.5Z
-35	22	3.8S	13	Gray Sandy CLAY (A-6)
-40	18	6.6S	14	

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 plugged

Elevation	N	Qu tsf	w %	Material
-45	14	2.6B	16	sandy clay (continued)
				351.5Z
-50	25	5.6S	14	Gray SHALE
				346.0Z
-55	16	2.8B	15	End of Boring @ -74.0'
-60	12	3.7B	15	
				356.5Z
-65	17	---	20	Gray Fine to Medium SAND (A-2-4)

Elevation	N	Qu tsf	w %
-70	100/2"	-	14
	100/4"	2.3S	26
	100/3"	--	12
-75			
-80			
-85			

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DESIGNED	S.M.S.
CHECKED	S.W.M.
DRAWN	D.T.M.
CHECKED	D.T.M.

BORING 2

STRUCTURE NO. 024-3136

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

PROJECT NUMBER: 08.0184.130 DATE: 11/05/08

SHEET NO. 9
9 SHEETS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
4	06-00061-00-BR	EDWARDS	13	13
		CONTRACT NO. 95571		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		