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

Bridge Foundation Boring Log

Project: H-10063 Bridge Over Bonpas Tributary Date: 4/1/2010
Section: 09-05109-00-BR Station
Structure: Bored by: J. Carter
County: Edwards Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 368.1
Upon Completion 396.6

Elevation	N	Qu tsf	w %	
401.6				Ground Surface
401.2				5" Crushed Stone
	9	2.7S	23	Brown Silty CLAY (A-6)
398.1				
	11	3.5S	24	Gray Mottled Brown Silty CLAY to CLAY (A-6)
	8	2.5B	24	
	5	1.4S	26	
	4	1.2S	30	
	3	0.8S	38	
	5	1.4B	30	
383.1				Gray Silty CLAY to CLAY (A-6) with sand
	4	1.0B	37	
	6	1.9S	30	

clay (continued)

Elevation	N	Qu tsf	w %	
	7	2.1S	33	
	2	0.7B	32	
	4	1.0B	27	
368.1				Gray Clayey SILT to SILT (A-4)
	16	1.4S	25	
	15	3.2S	16	
358.1				Gray SAND (A-2-4)

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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Elevation	N	Qu tsf	w %	
356.6				Gray Sandy CLAY (A-6)
	45	20	--	23
	50	2.7S	18	
	27	--	-	
343.1				Dark Gray Silty CLAY (A-6) with sand and pebbles
	30	3.2B	26	
	20	2.5B	28	

clay (continued)

Elevation	N	Qu tsf	w %	
331.6	20	4.25	18	
				End of Boring @ -70.0'

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 = 180060-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -	
HAMPTON, LENZINI AND RENWICK, INC. 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 ILLINOIS PROFESSIONAL DESIGN FIRM LS / PE / SE CORP. 184.000999		CHECKED - D.W.T.	REVISED -	
	PLOT SCALE =	DRAWN - D.A.B.	REVISED -	
	PLOT DATE = 4/12/2011	CHECKED - S.W.M.	REVISED -	

STATE OF ILLINOIS
EDWARDS COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 024-3140
SHEET NO. 9 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
122	09-05109-00-BR	EDWARDS	13	13
ROAD DISTRICT #5		CONTRACT NO. 95652		
ILLINOIS	FED. AID PROJECT			