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-08115
Section: 08-18110-00-BR
Dist.: Orchard
County: Wayne

Bridge Over Brush Creek
Station

Date: 6-02-08
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station: 3+32
Offset: C.L.

Surface Water Elev.
Ground Water Elev. During Drilling 396.67
Upon Completion 405.67

Description	Elevation	N	Qu tsf	w %
Ground Surface 432.67	0			
Brown Silty CLAY (A-6)		1	0.8S	26
428.67				
Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4)	5	3	1.0S	24
426.17				
Gray Mottled Brown SILT (A-4)		9	1.4S	20
	10	12	0.9S	16
421.17				
Gray Mottled Brown Sandy CLAY (A-6)		3	1.0S	19
418.67				
Gray to Brown Clayey SAND (A-2-4)	15	1	---	19
416.17				
Brown Mottled Gray Sandy CLAY (A-6)		22	6.5S	14
413.67				
Gray Sandy CLAY (A-6)	20	21	5.0B	13
		23	5.6S	14

sandy clay (continued)

Elevation	N	Qu tsf	w %
25	26	4.1B	13
	22	5.0B	14
30	14	3.5B	16
	35	1.7B	20
35	30	5.6S	11
40	27	4.3S	13
	38	2.9S	11

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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Project: H-08115
Section: 08-18110-00-BR
Route: Orchard
County: Wayne

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Station: 3+32
Offset: C.L.

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

Description	Elevation	N	Qu tsf	w %
sandy clay (continued)	45			
	50	47	5.0S	12
378.67				
Gray SHALE	55	132	---	11
		153	---	10
373.17		100/3"	---	11
End of Boring @ -59.5'	60			
	65			

Elevation	N	Qu tsf	w %
70			
75			
80			
85			

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
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BORING 1

FILE NAME = 080248-sht-bridge.dgn	USER NAME =	DESIGNED - A.S.L.	REVISED -
HAMPTON, LENZINI AND RENWICK, INC.		CHECKED - S.W.M.	REVISED -
HLR	PLOT SCALE =	DRAWN - D.A.B.	REVISED -
	PLOT DATE = 10/29/2012	CHECKED - S.W.M.	REVISED -

STATE OF ILLINOIS
WAYNE COUNTY HIGHWAY DEPARTMENT

BORINGS
STRUCTURE NO. 096-3448
SHEET NO. 8 OF 9 SHEETS

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
167A	08-18110-00-BR	WAYNE	12	11
ORCHARD ROAD DISTRICT		CONTRACT NO. 95588		
		ILLINOIS FED. AID PROJECT		