ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 7	06-00097 -00-BR	UNION	16	15
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 99311	

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-06278 Bridge over Cache River Overflow Date: 10/23/06
Section: 06-00097-00-BR Station
Route:
County: Union
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 76.0
Upon Completion

Description	Elevation	N	Qu tsf	w %
Ground Surface 99.5 (401.2) 0				
2" A-3 Surface over 6" Stone 98.8 (400.5)				
Brown Mottled Gray Silty CLAY (A-6)		4	–	–
	-5	3	1.2B	23
	89.5 (391.2) -10	5	1.4B	28
Gray Clayey SILT (A-4)	(387.7) 86.0	2	1.2B	26
Gray Mottled Brown SILT (A-6)	(385.2) -15 83.5	5	1.3S	24
Gray Mottled Brown Silty CLAY to Clayey SILT (A-6 to A-4)		5	1.7B	26
	-20	5	1.2B	27
		4	1.1B	29
silty clay to clayey silt (continued)	-25	2	1.9S	27
		wh	0.5B	34
	(372.7) 71.0			
Gray Silty CLAY to Clayey SILT (A-6 to A-4) with organics	-30	2	1.1B	37
	(367.2) 65.5			
Gray Silty CLAY (A-6) with trace sand	-35	4	1.8B	27
	-40	2	1.2S	27

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

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

Page 2 of 2

Bridge Foundation Boring Log

Project: H-06278 Bridge over Cache River Overflow Date: 10/23/06
Section: 06-00097-00-BR Station
Route:
County: Union
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 76.0
Upon Completion

Description	Elevation	N	Qu tsf	w %
silty clay to clayey silt (continued)	-45	4	1.1B	33
	-50	1	0.7B	29
	-55	6	1.2B	23
	(342.7) 41.0			
Gray Silty CLAY (A-6) with sand	-60	4	1.0B	20
	(337.2) 35.5			
Gray SHALE	-65	60 /5"	5.8S	12
		100 /3"	2.2S	12
shale (continued)	-70	100 /5"	---	8
	(329.7) 28.0	100 /3"	---	8
End of Boring @ -71.5'	-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
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 1

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

PROJECT NUMBER: 12-92-0008-i		DATE: 02/07/08
DESIGNED: R.J.P.	CHECKED: S.W.M.	DRAWN: D.A.B.

BORING 1
SECTION 06-00097-00-BR
C.H. 7 / MT. PLEASANT ROAD
UNION COUNTY
STRUCTURE NO. 091-3232 / STATION 10+00