ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 7	06-00097 -00-BR	UNION	16	16
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

Bridge Foundation Boring Log

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

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 75.9
Upon Completion

Elevation	N	Qu tsf	w %
Ground Surface 99.9 (401.6) 0			
2" A-3 Surface over 8" Stone 99.1 (400 %)			
Brown Silty CLAY (A-6)	4	1.4B	26
-5	4	0.8B	26
(393.1) 91.4	3	0.6S	29
Gray Silty CLAY (A-6)			
-10	7	1.2B	24
(388.1) 86.4	8	---	
Gray Mottled Brown Silty CLAY (A-6)			
-15	12	1.6B	25
(383.1) 81.4	5	1.3S	25
Gray Mottled Brown SILT (A-4)			
-20	5	1.2S	25
	5	0.9B	29

Elevation	N	Qu tsf	w %
silt (continued)			
(375.6) -25 73.9	5	1.2B	30
Gray Silty CLAY (A-6)			
	3	0.4B	35
-30	5	0.8B	30
-35	4	1.2B	30
-40	5	1.2B	29

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

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 75.9
Upon Completion

Elevation	N	Qu tsf	w %
silty clay (continued)			
-45	3	0.6B	32
-50	2	0.7B	31
-55	2	0.5B	31
(343.1) 41.4			
Gray Clayey SILT (A-4) with trace sand			
-60	4	1.0B	24
(337.1) 35.4			
Gray SHALE	60 /5"	2.6S	10
	100 /5"	---	4

Elevation	N	Qu tsf	w %
shale (continued)			
(332.6) 30.9	100 /3"	---	5
End of Boring @ -69.0'			
-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
S = Shear Failure
E = Estimated Value
P = Penetrometer

BORING 2

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

PROJECT NUMBER: 12-92-0008-1	DATE: 02/07/08
DESIGNED: R.J.P.	CHECKED: S.W.M.
DRAWN: D.A.B.	

BORING 2
SECTION 06-00097-00-BR
C.H. 7 / MT. PLEASANT ROAD
UNION COUNTY
STRUCTURE NO. 091-3232 / STATION 10+00