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

Page 1 of 1

Bridge Foundation Boring Log

Project: H-14001 Bridge Route 140 Date: 1/14/2014
Section: Station Bored by: B. Schwartz
Structure: Checked By: T. Holcomb
County: Madison

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 515.5
Upon Completion 518.5

Description	Elevation	N	Qu tsf	% w
Ground Surface	534.0	0		
2" Crushed Stone				
Brown Silty CLAY (A-6)		5	1.85	21
	-5	11	1.28	20
	528.0			
Dark Brown Silty CLAY (A-6)		4	0.85	27
(*) US 524.52				
	525.5			
Brown Silty CLAY (A-6)	-10	6	1.45	23
	523.0			
Brown Clayey SAND (A-2-4)		11	--	20
	-15	51	--	12
	518.0			
Gray Silty CLAY (A-6)		21	4.55	10
	515.5			
Gray Sandy CLAY (A-6)	-20	23	4.85	12
		30	5.15	11

Description	Elevation	N	Qu tsf	% w	% s
sandy clay continued	-25	29	7.25	10	
		29	5.05	14	
	504.0 -30	29	4.35	14	
End of Boring @ -30.0'					
	-35				
	-40				

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 = Estmated Value
P = Penetrometer

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Bridge Foundation Boring Log

Project: H-14001 Bridge Route 140 Date: 1/14/2014
Section: Station Bored by: B. Schwartz
Structure: Checked By: T. Holcomb
County: Madison

Boring No: 2
Station:
Offset:

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

Description	Elevation	N	Qu tsf	% w
Ground Surface	533.75	0		
2" Crushed Stone				
Brown Silty CLAY (A-6) with sand and pebbles		5	2.55	13
	-5	4	1.20	28
	527.75			
Brown Mottled Gray Silty CLAY (A-6)		4	0.80	28
	525.25			
Gray Mottled Brown Clayey SILT (A-4)	-10	6	0.60	28
DS 522.73	522.75			
Brown Mottled Gray Silty CLAY (A-6)		10	1.35	26
	-15	24	4.55	11
		32	--	10
	-20	24	5.35	11
	512.75			
Gray Silty CLAY (A-6) with sand and pebbles		20	3.75	12

Description	Elevation	N	Qu tsf	% w	% s
silty clay continued	-25	17	4.55	12	
		19	5.55	12	
	503.75 -30	22	5.25	12	
End of Boring @ -30.0'					
	-35				
	-40				

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 = Estmated Value
P = Penetrometer

(*) Shown too high in Boring Log

Foth
Foth Infrastructure & Environment, LLC
1610 Broadmoor Drive
Champaign, IL 61821
Phone: 217-352-4169 Fax: 217-352-0085
Illinois Registration Number 184.004913

USER NAME =	DESIGNED -	REVISED -
	CHECKED -	REVISED -
PLOT SCALE =	DRAWN -	REVISED -
PLOT DATE =	CHECKED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORINGS
STA. 734+80.00 CULVERT REPLACEMENT – S.N. 060-2490
SHEET NO. 7 OF 8 SHEETS

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
785	(133,134,135)RS-4	MADISON	28	27
		CONTRACT NO. 76G58		
	ILLINOIS FED. AID PROJECT			

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