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-06118 Bridge Exis. Structure No. 003-3405 Date: 05-18-06
Section: Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Bond

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 469.5
Upon Completion plugged

Elevation	N	Qu tsf	w %
Ground Surface 482.0 0			
6" Oil & Chip & Crushed Stone			
Brown Silty CLAY (A-6) w/sand	7	2.1B	20
	5	2.2B	20
476.0			
Gray Mottled Silty CLAY (A-6) to Clayey Silt (A-4)	8	1.4B	23
	2	0.3P	28
	3	0.5B	23
468.5			
Gray Mottled Silty CLAY (A-6) with sand	3	0.9S	22
466.0			
Gray Clayey SAND (A-2-4)	4	0.8B	20
464.5			
Brown Mottled Gray Clayey SAND (A-2-4)	8	1.7B	20
462.0 -20			
Gray Fine SAND (A-2-4)	4	---	20
sand (continued)			
458.0			
Brown Sandy CLAY (A-6) with pebbles	15	6.8B	13
	29	5.2B	13
	42	7.4B	12
	75	6.0S	12
444.0			
Gray Sandy CLAY (A-6) with pebbles	50	6.8B	11
	33	6.5S	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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Page 2 of 2

Bridge Foundation Boring Log

Project: H-06118 Bridge Exis. Structure No. 003-3405 Date: 05-18-06
Section: Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Bond

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 469.5
Upon Completion plugged

Elevation	N	Qu tsf	w %
sandy clay (continued)			
-45			
-50	60/6"	---	9
-55	60/4"	---	12
422.5			
End of Boring @ -59.5'	60/5"	---	10
-60			
-65			
-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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E = Estimated Value
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Page 1 of 1

Bridge Foundation Boring Log

Project: H-06118 Bridge Exis. Structure No. 003-3405 Date: 05-18-06
Section: Station Bored by: D. Russell
Route: Checked By: T. Holcomb
County: Bond

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 474.9
Upon Completion 464.4

Elevation	N	Qu tsf	w %
Ground Surface 482.4 0			
8" Sand, Crushed Stone, Cinders			
Brown Mottled Gray Silty CLAY (A-6)	7	1.8B	18
478.4			
Gray Clayey SILT (A-4)	3	1.0B	20
	0	0.3B	31
474.4			
Gray Mottled Brown Silty CLAY (A-6)	8	1.4B	23
471.4			
Brown Mottled Gray Silty CLAY (A-6) with sand and pebbles	17	2.3S	20
	32	5.0S	13
	38	5.3S	11
-20	36	7.8S	11
	42	7.5S	11
silty clay (continued)			
458.4			
Brown Mottled Gray Medium SAND (A-2-4) with pebbles	100/6"	---	12
	100/5"	7.9S	10
453.9			
Brown Fine SAND (A-2-4) with clay seams and pebbles	144	---	20
449.4			
Gray Silty CLAY (A-6) with sand and pebbles	101	7.4S	10
442.4			
End of Boring @ -40.0'	58	6.6S	9

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

FILE NAME:	USER NAME = USERPROFILE	DESIGNED - K.M.M	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SOIL BORING LOGS	TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - K.H.L.	REVISED -			156	02-04116-00-BR	BOND	28	22
	PLOT SCALE = 1.0000 ' / IN.	CHECKED - L.D.G.	REVISED -				SN 003-3414	CONTRACT NO. 97521		
	PLOT DATE = 3/27/2013	DATE	REVISED -		SCALE: SHEET NO. 10 OF 10 SHEETS STA. TO STA.			ILLINOIS FED. AID PROJECT		

HMG ENGINEERS, INC. LAKE RD., P.O. BOX 70 CARLYLE, IL 62231 (618) 594-3711 WWW.HMGENGINEERS.COM

HMG NO 5119