

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

Bridge Foundation Boring Log

Project: H-12089 Bridge IR 92 over Jordan Creek Date: 5/8/2012
Section: 05-09118-00-BR Station: Bored by: B. Schwartz
Structure: Checked By: J. Holcomb
County: Vermilion

Boring No. 1	Elevation	N	Qu	tsf	Surface Water Elev.	Elevation	N	Qu	tsf	w	%
Ground Surface	99.2	0									
3' Topsoil											
Gray Silty CLAY (A-6)		7	1.85	19		25	5.15	11			
	95.2										
Gray Mottled Brown Silty CLAY (A-6)		9	2.85	23		33	6.95	19			
	92.7										
Brown Mottled Gray Sandy CLAY (A-6) to Clayey SAND (A-2-4)		3	0.48	16		33	7.85	9			
		8	1.85	15							
		6	1.25	27	65.2	22	2.95	18			
Gray Clayey SILT (A-4)	85.2	13	1.38	24							
		13	2.45	18							
		9	2.15	24							
	77.7	23	3.59	12		55.2					
Gray Sandy CLAY (A-6) (Till)											
End of Boring @ -44.0'											

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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Boring No. 2	Elevation	N	Qu	tsf	Surface Water Elev.	Elevation	N	Qu	tsf	w	%
Ground Surface	99.4	0									
3' Topsoil											
Gray Mottled Brown Silty CLAY (A-6)		10	5.35	17		27	5.35	10			
		5	2.35	22		30	6.55	16			
	92.9										
Gray Clayey SAND (A-2-4)		2	0.65	23		25	5.05	16			
	90.4										
Gray Mottled Brown Silty CLAY (A-6) with sand		8	1.95	15							
	87.9										
Gray Clayey SILT (A-4)		12	1.75	25	65.4	25	3.25	17			
		7		26							
		8	2.15	13							
Gray Sandy CLAY (A-6) with pebbles	82.9										
		8	2.15	13							
		8	2.15	13							
		12	1.95	12		55.4					
End of Boring @ -44.0'											

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PRINTED ON 15 JUN 2012 9:51 AM
FILE NAME: c:\projects\vermilion\09118-00\09118-00-01.dwg
PLOT DATE: 6/11/2012
PLOT SCALE: 0.0033 / IN
USER NAME: JUSL218
DESIGNED: DF
CHECKED: JEH, ADG
DRAWN: JEH, ADG
REVISIONS: 1
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
BORING LOGS
STRUCTURE NO. 092-3508
SHEET NO 1 OF 7 SHEETS
TWP. 92 SECTION 05-09118-00-BR COUNTY VERMILION TOTAL SHEETS 15 SHEET NO. 12
ILLINOIS FED. AID PROJECT CONTRACT NO. 91463



DESIGNED - DF	REVISIONS -
CHECKED - JEH, ADG	REVISIONS -
DRAWN - JEH, ADG	REVISIONS -
CHECKED - DF	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BORING LOGS
STRUCTURE NO. 092-3508

TWP. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	05-09118-00-BR	VERMILION	15	12
CONTRACT NO. 91463				

ILLINOIS FED. AID PROJECT