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-10101 Bridge TR160 over Swank Creek Date: 6/8/2010
Section: 09-09123-00-BR Station
Structure:
County: Vermilion
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 1
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 90.9
Upon Completion 97.9

Elevation	N	Qu tsf	% w	
99.9	0			Ground Surface 6" Crushed Stone and Clay Gray CLAY (A-6)
	7	2.65	25	
93.4	5	2.45	21	Gray Sandy CLAY (A-6)
90.9	3	0.58	23	Gray Mottled Brown Sandy CLAY (A-6)
	11	--	16	
88.4	19	--	20	Gray Fine SAND (A-2-4) with gravel
	30	--	9	
83.4	14	2.18	14	Gray Sandy CLAY (A-6)
	41	3.58	11	
	44	7.65	10	

Elevation	N	Qu tsf	% w	
				sandy clay (continued)
75.9	5	--	18	Gray Fine SAND (A-2-4)
73.4	14	--	17	Gray Fine SAND (A-2-4) with gravel
70.9	70	0.88	14	Gray Sandy CLAY (A-6)
	49	6.25	8	
60.9	100/5"	4.55	9	Gray SANDSTONE
56.4	100/2"	--	11	
	100/1"	--	10	End of Boring @ -43.5'

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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Bridge Foundation Boring Log

Project: H-10101 Bridge TR160 over Swank Creek Date: 6/8/2010
Section: 09-09123-00-BR Station
Structure:
County: Vermilion
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 91.2
Upon Completion 97.2

Elevation	N	Qu tsf	% w	
100.2	0			Ground Surface 6" Crushed Stone and Clay Gray Mottled Brown CLAY (A-6)
	7	3.45	20	
93.7	5	2.35	22	Gray Clayey SAND (A-2-4)
91.2	17	--	22	Brown Fine SAND (A-2-4)
88.7	21	--	18	Gray Fine SAND (A-2-4) with gravel
83.7	24	--	10	Gray Fine to Medium SAND (A-2-4) with gravel
	16	6.75	10	Gray Sandy CLAY (A-6)
	58	4.08	10	
	51	3.35	11	

Elevation	N	Qu tsf	% w	
				sandy clay (continued)
76.2	18	--	21	Gray Fine SAND (A-2-4) with gravel
	12	--	19	
71.2	32	6.65	8	Gray Sandy CLAY (A-6)
	51	7.55	8	
	100/6"	7.85	7	
58.7	100/4"	--	13	Gray SANDSTONE
	100/3"	--	10	

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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Bridge Foundation Boring Log

Project: H-10101 Bridge TR160 over Swank Creek Date: 6/8/2010
Section: 09-09123-00-BR Station
Structure:
County: Vermilion
Bored by: D. Russell
Checked By: T. Holcomb

Boring No: 2
Station:
Offset:

Surface Water Elev.
Ground Water Elev. During Drilling 91.2
Upon Completion 97.2

Elevation	N	Qu tsf	% w	
				sandstone (continued)
53.7	100/3"	--	11	End of Boring @ -46.5'

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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BORING LOGS
STRUCTURE NO. 092-3518
DATE: 09-20-2010 DRAWN BY: JEH CHECKED BY: DF

SHEET NO. 8 OF 8 SHEETS	T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	160	09-09123-00-BR	VERMILION	19	14
			CONTRACT NO. 91437		
	FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT		