

CONTRACT NO: 83763

Professional Service Industries, Inc.
RECORD OF SUBSURFACE EXPLORATION

Boring: B-1

Project Name: Milburn Road Bridge West Abutment Date of Boring: 1-18-01
Site: Lake County, Illinois Project No: 042-05013

DESCRIPTION	DEPTH ft.	SAMPLE	N	CLASS	Q _u tsf	Q _p tsf	M _v %	REMARKS
SURFACE	703.5							
Asphalt 12"	701.5							
FILL, Brown Sand and Gravel		1-SS	65	-	-	-	4.5	
	699.5							
FILL, Brown Clay, Trace Sand and Gravel		2-SS	12	-	-	-	13.3	
		3-SS	8	-	-	-	17.9	
	694.5							
Lean CLAY, Dark Gray, Trace Sand and Gravel, Soft	692.5	4-SS	4	CL	-	.5	21.2	Trace Organic
Lean CLAY, Brown, Trace Sand and Gravel, Stiff		5-SS	4	CL	1.5	1.5	14.7	
	689.5							
Lean CLAY, Gray, Trace Sand and Gravel, Stiff to Very Stiff		6-SS	13	CL	3.0	2.5	9.9	
		7-SS	11	CL	3.5	3.75	17.1	
Intermittent Silt and Sand Seams Throughout Material Strata		8-SS	11	CL	3.2	3.0	14.1	
		9-SS	8	CL	1.2	1.25	20.7	Moist Auger
	25	10-SS	10	CL	2.6	2.5	20.1	0 Hour
		11-SS	5	CL	2.1	2.0	26.1	
	30	12-SS	6	CL	1.2	1.0	19.6	
	35	13-SS	6	CL	2.8	2.5	16.3	
	40	14-SS	7	CL	1.0	1.0	22.5	
	45	15-SS	8	CL	0.9	1.0	20.2	
	50	16-SS	13	CL	1.2	1.25	25.3	

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DESCRIPTION	DEPTH ft.	SAMPLE	N	CLASS	Q _u tsf	Q _p tsf	M _v %	REMARKS
	653.5							
	650.5							
Sandy SILT, Gray, Medium Dense	55	17-SS	20	ML	-	-	22.3	
	651.5							
Lean CLAY, Gray, Trace Sand and Gravel, Stiff	60	18-SS	15	CL	1.0	1.0	24.1	
	643.5							
Silty SAND, Gray, Medium Dense to Dense	65	19-SS	36	SM	-	-	14.5	
	70	20-SS	33	SM	-	-	11.2	
	75	21-SS	28	SM	-	-	14.9	
	623.5							
End of Boring @ 80.0'	80	22-SS	32	SM	-	-	11.8	
Due to Collapsing Material During Removal of Augers, Final Water Level Unavailable.	85							
	90							
	95							
	100							

BORING B-1

HLR
Rice, Berry and Associates
A Division of Hampton,
Lenzini and Renwick, Inc.
Civil & Structural Engineers
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P.O. Box 1036
DuQuoin, Illinois 62832
618-790-4637
Account Number
12-07-0043-1
Date: 05/23/05
DESIGNED: S.M.S. CHECKED: S.W.M. DRAWN: P.K.

BORINGS
MILLBURN ROAD / CH 14
SECTION 99-00076-II-BR
LAKE COUNTY
STATION 17+65