

CONTRACT NO: 83763

**Professional Service Industries, Inc.**  
**RECORD OF SUBSURFACE EXPLORATION**

Boring: B-2

Project Name: Milburn Road Bridge East Abutment Date of Boring: 2-7-01  
 Site: Lake County, Illinois Project No: 042-05013

DESCRIPTION	DEPTH ft.	SAMPLE	N	CLASS	Q <sub>u</sub> tsf	Q <sub>p</sub> tsf	M <sub>v</sub> %	REMARKS
SURFACE	703.0							
Asphalt 12" FILL, Brown Sand and Gravel		1-SS	18	-	-	1.75	12.9	
	699.0							
FILL, Brown, Black and Gray-Green Clay, Trace Sand and Gravel	5	2-SS	42	-	-	2.0	20.3	Pushed Rock
		3-SS	9	CL	-	.5	43.6	Trace Organics
	694.5							
Sandy CLAY, Dark Brown, Trace Gravel	10	4-SS	17	CL	2.3	3.5	17.9	
		5-SS	17	CL	1.9	2.0	17.1	
	689.0							
Lean CLAY, Gray, Trace Sand and Gravel, Firm to Very Stiff	15	6-SS	27	CL	3.6	3.0	14.2	
		7-SS	8	CL	0.8	.75	23.7	
Intermittent Standard Silt Seams Throughout Material Strata	20	8-SS	7	CL	1.5	1.25	24.7	
		9-SS	10	CL	1.1	1.0	24.9	
	25	10-SS	11	CL	1.8	2.0	16.9	
		11-SS	12	CL	2.3	2.0	16.8	
	30	12-SS	12	CL	2.5	2.25	16.7	Wet Spoon
	670.0							
Fine SAND, Gray, Loose	35	13-SS	9	SP	-	-	18.2	0 Hour
	664.0							
Lean CLAY, Gray, Trace Sand and Gravel, Firm to Very Stiff	40	14-SS	5	CL	0.6	.5	23.2	
	45	15-SS	13	CL	3.5	3.75	22.1	
	655.0							
Sandy SILT, Gray, Trace Gravel, Medium Dense to Dense	50	16-SS	27	ML	-	-	20.7	

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DESCRIPTION	DEPTH ft.	SAMPLE	N	CLASS	Q <sub>u</sub> tsf	Q <sub>p</sub> tsf	M <sub>v</sub> %	REMARKS
	653.0							
Sandy SILT, Gray, Trace Gravel, Medium Dense to Dense								
	55	17-SS	40	ML	-	-	15.9	
	60	18-SS	35	ML	-	-	17.7	
	65	19-SS	44	ML	-	-	17.4	
	633.0							
	70	20-SS	41	ML	-	-	14.8	
End of Boring @ 70.0'								
Due to Collapsing Material During Removal of Augers, Final Water Level Unavailable.	75							
	80							
	85							
	90							
	95							
	100							

BORING B-2

**HLR**  
 Rice, Berry and Associates  
 A Division of Hampton,  
 Lenzini and Renwick, Inc.  
 Civil & Structural Engineers  
 801 S. Durkin Drive  
 Springfield, Illinois 62704  
 217-546-3400  
 P.O. Box 1036  
 DuQuoin, Illinois 62832  
 618-190-4637  
 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 99-00076-11-BR**  
**LAKE COUNTY**  
**STATION 17+65**