



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation D-3

SOIL BORING LOG

Page 1 of 1

Date 7/14/08

ROUTE FAP 316 DESCRIPTION D92-057-07 IL 26 Bridge over BNSF Railroad, 4 m. N. of Pines Road LOGGED BY J. Straling

SECTION 4 VBR-1 LOCATION Buffalo Twp. - 9 SW, SEC., TWP. 23N, RNG. 8E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 071-0010
Station 391+46
BORING NO. B-1
Station 391+23
Offset 31.50R RL CL
Ground Surface Elev. 832.00 ft

Surface Water Elev. 63.00 ft
Stream Bed Elev. 62.00 ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs.

DEPTH (ft)	D		M	Description	DEPTH (ft)	D		M
	(ft)	(in)				(ft)	(in)	
0				MEDIUM dark brown SILTY CLAY LOAM	0			
1	0.5		21.0		1			
4				STIFF brown SILTY CLAY LOAM	4			
8	1.6		20.0		8			
12				SOFT gray SILTY CLAY LOAM	12			
18	0.3		25.0		18			
24				LOOSE tan fine SAND	24			
30				LOOSE tan fine SAND	30			
36				LOOSE tan fine SAND	36			
42				LOOSE tan fine SAND	42			
48				VERY STIFF gray SANDY LOAM TILL	48			
54				VERY STIFF gray SANDY LOAM TLL with SILT lenses	54			
60				VERY STIFF gray SILTY CLAY with SILT lenses	60			
66				VERY DENSE tan weathered LIMESTONE	66			
72				Auger Refusal	72			
78				Borehole continued with rock coring.	78			
84				MEDIUM tan fine SAND	84			
90				MEDIUM tan fine SAND	90			
96				MEDIUM tan fine SAND	96			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T208)
BBS, from 137 (Rev. 8-88)



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SOIL BORING LOG

Page 1 of 2

Date 7/15/08

ROUTE FAP 316 DESCRIPTION D92-057-07 IL 26 Bridge over BNSF Railroad, 4 m. N. of Pines Road LOGGED BY Be. Wetzel

SECTION 4 VBR-1 LOCATION Buffalo Twp. - 9 SW, SEC., TWP. 23N, RNG. 8E

COUNTY Ogle DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. 071-0010
Station 391+46
BORING NO. B-2
Station 391+87
Offset 28.70R RL CL
Ground Surface Elev. 838.70 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs.

DEPTH (ft)	D		M	Description	DEPTH (ft)	D		M
	(ft)	(in)				(ft)	(in)	
0				MEDIUM dark brown SILT LOAM	0			
1	1.5		15.0		1			
4				MEDIUM dark brown SILT LOAM	4			
8	1.5		22.0		8			
12				SOFT tan fine SAND	12			
18				SOFT tan fine SAND	18			
24				MEDIUM black CLAY LOAM with 23% ORGANICS	24			
30				SOFT grayish brown fine SAND	30			
36				LOOSE gray medium SAND	36			
42				MEDIUM tan fine SAND	42			
48				MEDIUM tan fine SAND	48			
54				MEDIUM tan fine SAND	54			
60				MEDIUM tan fine SAND	60			
66				MEDIUM tan fine SAND	66			
72				MEDIUM tan fine SAND	72			
78				MEDIUM tan fine SAND	78			
84				MEDIUM tan fine SAND	84			
90				MEDIUM tan fine SAND	90			
96				MEDIUM tan fine SAND	96			

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STRUCT. NO. 071-0010
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BORING NO. B-2
Station 391+87
Offset 28.70R RL CL
Ground Surface Elev. 838.70 ft

Surface Water Elev. _____ ft
Stream Bed Elev. _____ ft
Groundwater Elev.:
First Encounter _____ ft
Upon Completion _____ ft
After _____ Hrs.

DEPTH (ft)	D		M	Description	DEPTH (ft)	D		M
	(ft)	(in)				(ft)	(in)	
100				white-ish tan weathered LIMESTONE	100			
100.5				Auger Refusal	100.5			
101				End of Boring	101			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-88)

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