STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways
Applied GeoScience, Inc.

Page 1 of 1

Date 4/20/10

ROUTE IL Route 56 DESCRIPTION Butterfield Rd (Winfield Rd to Naperville Rd) LOGGED BY MG

SECTION (57+58) WRS-2 LOCATION Butterfield Road, SEC. 32, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-30
Station 364+84.23
Offset 58.67ft LT
Ground Surface Elev. 751.50 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil & silty clay, dark gray & black	750.50				27.2
Sandy loam, trace topsoil, dark brown, stiff			3		
			3	1.5	27.5
			4		
	748.50				
Silty loam, trace topsoil & gravel, light brown, some black, stiff to medium stiff			2		
			2	1.0	28.7
		-5	1		
			3		
			4	0.7	20.2
			4		
	743.00				
Silty clay, trace gravel, gray, medium stiff			2		
			3	0.7	18.6
		-10	5		
	740.50				
Silty clay, trace gravel, gray, very stiff			4		
			4	3.6	17.2
			6		
			3		
			4	3.2	17.0
		-15	6		
			3		
			5	2.5	16.2
			7		
			4		
			8	2.1	22.9
		-20	10		
Silty clay, trace gravel, gray, very stiff *(continued)*			3		
			4	3.1	25.8
			7		
			4		
			5	2.7	23.0
		-25	6		
			5		
			6	3.2	20.4
	721.50	-30	9		
End of Boring					

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 T206)

BBS, from 137 (Rev. 8-99)

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ROUTE IL Route 56 DESCRIPTION Butterfield Rd (Winfield Rd to Naperville Rd) LOGGED BY MG

SECTION (57+58) WRS-2 LOCATION Butterfield Road, SEC. 32, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-31
Station 367+78.06
Offset 60.96ft LT
Ground Surface Elev. 752.33 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 731.3 ft ▼
Upon Completion 724.3 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil & silty clay, dark brown	751.33				26.5
Silty clay, some topsoil, trace roots & gravel, dark brown, very stiff			3		
			3	2.9	22.3
			4		
	749.33				
Silty clay, trace gravel, brown-gray, medium stiff			2		
			2	0.6	28.5
		-5	3		
			1		
			2	0.6	27.4
			2		
	744.33				
Silty clay, trace gravel, brown-gray, stiff			2		
			4	1.0	17.4
		-10	6		
	741.33				
Silty clay, trace gravel, gray, very stiff			4		
			8	3.6	15.6
			11		
			4		
			6	3.0	16.1
		-15	7		
			4		
			5	2.0	12.3
			8		
			6		
			8	3.9	15.1
	732.33	-20	8		
Fine to coarse sand, some gravel, gray, wet, medium dense					
	730.83				
Silty clay, trace gravel, gray, very stiff to stiff			3		
			6	3.2	22.0
			8		
			3		
			5	2.7	23.8
		-25	8		
			3		
			5	1.6	22.4
	722.33	-30	7		
End of Boring					

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-32
Station 369+91.78
Offset 61.75ft LT
Ground Surface Elev. 754.46 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter ft
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, sandy clay loam, black	753.46				22.6
Topsoil & silty clay, dark gray, stiff (FILL)			2		
			3	1.0	29.3
			5		
	751.46				
Silty clay, some topsoil, dark gray, stiff			3		
			4	1.6	29.2
		-5	6		
	748.46				
Silty clay, trace gravel, brown-gray, stiff			2		
			3	1.6	25.1
			6		
			3		
			4	1.5	17.4
		-10	6		
	743.46				
Silty clay, trace gravel, brown-gray, hard to very stiff			5		
			5	4.5	16.8
			7		
			5		
			5	3.1	20.1
	739.46	-15	6		
Silty clay, trace gravel, brown-gray, stiff			3		
			5	1.6	17.3
			6		
			3		
			5	1.6	16.1
	734.46	-20	7		
Silty clay, trace gravel, gray, very stiff to hard			4		
			5	3.1	15.9
			7		
		-25	10	5.1	21.1
			13		
	728.46				
Silty clay, trace gravel, gray, stiff			4		
			5	1.7	23.2
	724.46	-30	6		
End of Boring					

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 T206)

BBS, from 137 (Rev. 8-99)

DESIGNED	RJT
CHECKED	MRB
DRAWN	MB
CHECKED	MRB

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-565-0450 Job No. 3733

SOIL BORING LOGS 10 OF 10
NOISE ABATEMENT WALL

SHEET NO. N30	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N30 SHEETS	365	(57 & 58)WRS-2	DUPAGE	681	429
			CONTRACT NO. 62419		
		ILLINOIS FED. AID PROJECT			

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