STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Illinois Department of Transportation
Division of Highways
Applied GeoScience, Inc.

Page 1 of 1

Date 4/12/10

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

SECTION (57+58) WRS-2 LOCATION Butterfield Road, SEC. 30, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-4
Station 298+08.23
Offset 69.36ft LT
Ground Surface Elev. 753.12 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 724.1 ft
Upon Completion 728.1 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, silty loam, black	752.12				
Topsoil & silty clay, brown-black, very stiff (FILL)			2		
			3	3.4	25.0
			3		
	750.12				
Silty clay, some topsoil, dark brown & dark gray, stiff (FILL)			2		
			2	1.3	33.8
		-5	3		
	747.12				
Silty clay, trace sand & gravel, dark brown, stiff			2		
			2	1.2	31.0
			2		
	745.12				
Silty clay, trace gravel, brown, stiff			4		
			5	1.0	15.4
	743.12	-10	7		
Silty clay, trace gravel, gray, hard					
			4		
			9	4.9	17.0
			13		
			4		
			9	5.5	18.1
		-15	14		
			8		
			9	4.8	16.4
			15		
			9		
			7	4.7	17.1
		-20	10		
Silty clay, trace gravel, gray, hard *(continued)*	732.12				
Silty clay, trace gravel, gray, very stiff			4		
			6	3.4	18.7
			11		
			4		
			7	2.8	18.2
		-25	12		
	724.12		7		
Fine to coarse sand, trace gravel, gray, medium dense	723.12	-30	12		15.6
			16		
End of Boring		-35			
		-40			

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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SECTION (57+58) WRS-2 LOCATION Butterfield Road, SEC. 30, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-5
Station 299+01.68
Offset 69.20ft LT
Ground Surface Elev. 751.25 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 742.8 ft
Upon Completion 727.3 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, sandy loam, trace roots, black	750.25				23.9
Topsoil & silty clay, black, stiff (FILL)			2		
			3	1.6	29.3
			4		
	748.25				
Silty clay, trace gravel, brown-gray, very stiff			2		
			3	2.2	28.5
	746.25	-5	4		
Silty clay loam, trace organic, brown, wet, soft			2		
			1	0.4	28.6
			1		
	743.25				
Sandy loam, trace gravel & organic, wet, medium dense			3		
			7		13.5
	741.25	-10	5		
Silty clay, trace gravel, gray, very stiff to stiff			3		
			4	2.7	15.6
			7		
			5		
			7	2.4	17.8
		-15	11		
			3		
			6	3.7	19.4
			8		
			5		
			7	3.4	17.6
		-20	9		
Silty clay, trace gravel, gray, very stiff to stiff *(continued)*			5		
			9	3.8	19.0
			11		
			4		
			5	1.6	20.9
		-25	6		
Coarse sand, trace gravel, gray, wet, medium dense	722.25	-30	10		
			11		20.8
			10		
End of Boring		-35			
		-40			

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COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-6
Station 300+00.40
Offset 71.49ft LT
Ground Surface Elev. 750.47 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 737.0 ft
Upon Completion 732.5 ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, silty clay loam	749.47				26.9
Silty clay & topsoil, black & dark brown, medium stiff			2		
			3	0.9	29.1
			3		
	747.47				
Silty loam, trace gravel, brown-gray, stiff to medium stiff			2		
			2	1.3	28.0
		-5	2		
			2		
			1	0.9	24.8
			2		
	741.97				
Sandy loam, brown, wet, medium dense			2		
			3		19.6
		-10	4		
	739.47				
Fine to medium sand & silt, trace clay, gray, medium dense			2		
			4		20.2
			4		
	737.47				
Fine to coarse sand, trace gravel, gray, medium dense			5		
			9		23.4
		-15	10		
			3		
	733.47		3	0.5	17.6
Silty clay, trace stone, gray, very stiff			5		
			3		
			6	2.0	13.1
		-20	9		
Silty clay, trace stone, gray, very stiff *(continued)*			5		
			7	3.0	18.4
			9		
			4		
			6	2.0	23.2
		-25	6		
			5		
			9	2.5	19.0
	720.47	-30	10		
End of Boring		-35			
		-40			

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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 2 OF 10
NOISE ABATEMENT WALL

SHEET NO. N22	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	365	(57 & 58)WRS-2	DUPAGE	681	421
N30 SHEETS			CONTRACT NO. 62419		
		ILLINOIS	FED. AID PROJECT		

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