STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

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

Page 1 of 1

Date 4/16/10

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-18
Station 325+35.52
Offset 78.15ft LT
Ground Surface Elev. 742.46 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 731.5 ft ▼
Upon Completion ft
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, trace roots & wood, black, stiff (FILL)			3		
			3	1.1	31.8
			4		
	739.46				
Silty clay, some topsoil, dark brown & dark gray, stiff (FILL)			2		
			2	1.2	31.0
	737.46	-5	3		
Sandy clay loam, trace gravel, brown, wet, loose (FILL)			1		
			2		17.2
			2		
	734.46				
Silty clay, trace gravel, brown-gray, very stiff to stiff			3		
			5	2.9	17.7
		-10	6		
			4		
			5	1.8	17.8
	729.96		7		
Silty clay, trace gravel, gray, very stiff to stiff			3		
			4	2.5	18.0
		-15	5		
			4		
			4	2.5	16.2
			5		
			3		
			3	1.5	19.6
		-20	4		
Silty clay, trace gravel, gray, very stiff to stiff *(continued)*			4		
			4	1.4	20.0
			7		
	719.46				
Silty clay, trace gravel, gray, very stiff			4		
			7	3.3	17.8
		-25	11		
	712.46	-30			
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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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-19
Station 328+33.41
Offset 82.35ft LT
Ground Surface Elev. 743.39 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 loam, black					
	742.39				
Silty clay, trace gravel & roots, dark brown, medium dense (FILL)			4		
			4		28.1
			5		
	740.39				
Silty loam, trace gravel, brown-gray, stiff			3		
			4	1.0	25.6
		-5	5		
	737.39				
Silty clay, trace sand & gravel, brown-gray, very stiff to hard			4		
			5	3.4	18.7
			8		
			3		
			6	5.4	18.2
		-10	9		
			6		
	731.39		8	7.8	17.2
Silty clay, trace sand & gravel, gray, hard			15		
			5		
			7	6.2	15.4
		-15	9		
			4		
			7	6.5	15.5
			10		
			4		
			5	4.7	15.4
		-20	8		
Silty clay, trace sand & gravel, gray, hard *(continued)*			5		
			7	4.6	14.7
			8		
	720.39				
Silty clay, trace sand & gravel, gray, very stiff			5		
			7	2.9	19.7
		-25	9		
	713.39	-30			
End of Boring					
		-35			
		-40			

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Date 4/14/10

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-20
Station 329+54.41
Offset 60.65ft LT
Ground Surface Elev. 745.45 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 (%)
6" Topsoil, sandy loam, black					
	744.45				
Silty clay, trace topsoil & gravel, dark brown, very stiff (FILL)			2		
			3	2.0	21.7
			3		
	742.45				
Silty loam, brown-gray, very stiff to stiff			2		
			3	2.2	14.8
		-5	4		
			2		
			3	1.1	26.8
			3		
	737.45				
Silty clay, trace shale & gravel, brown-gray, hard			6		
			5	4.7	27.9
		-10	7		
			4		
	733.45		6	4.3	17.1
Silty clay, trace shale & limestone, with silt seams, gray, hard to very stiff			8		
			5		
			7	5.8	15.6
		-15	8		
			3		
			5	3.8	16.4
			7		
			4		
			6	3.9	14.6
	725.45	-20	9		
Silty clay, trace shale & gravel, gray, very stiff to stiff			3		
			4	2.5	20.4
			6		
			3		
			4	1.6	21.4
		-25	6		
			3		
			4	1.9	20.0
	715.45	-30	5		
End of Boring					
		-35			
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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BBS, from 137 (Rev. 8-99)

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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 6 OF 10
NOISE ABATEMENT WALL

SHEET NO. N26	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N30 SHEETS	365	(57 & 58)WRS-2	DUPAGE	681	425
			CONTRACT NO. 62419		
		ILLINOIS	FED. AID PROJECT		