STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Illinois Department of Transportation — SOIL BORING LOG

Division of Highways, Applied GeoScience, Inc.

Page 1 of 1

Date 4/16/10

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

SECTION (57+58) WRS-2 LOCATION Butterfield Road, SEC. 29, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. NW-24
Station 341+50.58
Offset 64.88ft LT
Ground Surface Elev. 739.05 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 726.1 ft ▼
Upon Completion 721.1 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
738.05				Topsoil, sandy loam, black
	3			
	4	3.5	36.3	Silty clay, some topsoil, dark brown, some black, very stiff (FILL)
	4			
736.05				
	2			Silty clay, trace organic, gray, soft
	1	0.4	33.5	
-5	5			
	2			
	1	0.3	31.7	
	1			
731.05				
	3			Silty sandy loam, some organic, dark gray, moist to wet, soft
	4	0.5	20.1	
-10	4			
728.05				
	4			Sand & gravel, some clay, gray, moist, medium dense
	5		10.6	
	6			
726.05 ▼				
	4			Sandy loam, with coarse sand seam, gray, wet, medium dense
724.55	9		20.4	
-15	9			Silty loam, gray, stiff
	4			
	5	1.8	20.2	
	6			
721.05 ▽				
	5			Silty clay loam, gray, wet, stiff
	7	1.8	20.0	
719.05 -20	9			
				Silty clay, trace sand & gravel, gray, very stiff to stiff
-25	4			
	5	2.0	20.9	
	9			
	5			
	7	1.8	13.7	
	9			
709.05 -30				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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Page 1 of 1

Date 4/19/10

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-25
Station 349+39.33
Offset 58.91ft LT
Ground Surface Elev. 741.52 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 728.0 ft ▼
Upon Completion 726.5 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
740.52				Topsoil & silty clay, black
	2			
	3	0.5	26.8	Silty clay, trace topsoil & gravel, dark brown & gray, soft (FILL)
	4			
738.52				
	1			Silty clay, some topsoil, trace gravel, dark brown & black, stiff
-5	1	1.0	23.0	
	1			
735.52				
	3			Silty sandy loam, some organic, dark gray, moist to wet, stiff
	4	1.0	14.6	
	6			
	3			
	4	1.9	14.5	
731.52 -10	4			
				Silty clay, trace sand & gravel seam, gray, very stiff
	4			
	3	3.6	24.6	
	6			
728.52				
▽				Silty clay, trace gravel, gray, very stiff to stiff
	3			
	6	3.4	21.0	
▽ -15	9			
	4			
	5	2.8	21.4	
	6			
	3			
	6	1.8	18.1	
-20	5			
				Silty clay, trace gravel, gray, very stiff to stiff *(continued)*
-25	4			
	3	2.9	16.0	
	10			
	3			
	5	2.0	16.5	
	6			
	3			
	5	1.8	18.3	
711.52 -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)

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Division of Highways, Applied GeoScience, Inc.

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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-26
Station 352+77.97
Offset 59.08ft LT
Ground Surface Elev. 743.26 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 724.8 ft ▼
Upon Completion 720.3 ft ▽
After Hrs. ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)	Material
			25.3	Topsoil & silty clay, dark gray
742.26				
	2			Silty clay, some topsoil, trace
	4	3.2	16.4	roots & gravel, dark gray, very stiff
	7			
740.26				
	4			Silty clay, trace gravel, brown, very stiff
	5	3.1	16.1	
-5	7			
737.76				
	3			Silt & fine sand, trace clay & gravel, brown, wet, medium dense
	6		25.4	
	7			
735.26				
	3			Silty clay, trace gravel, gray-brown, very stiff
	4	2.9	12.4	
-10	5			
	3			
	6	3.4	21.7	
	9			
	3			
	6	3.1	22.2	
-15	8			
	4			
	6	2.2	20.8	
	8			
▼				
	4			
723.76	6	3.4	25.6	
-20	9			
				Coarse sand, some fine gravel, gray, wet, medium dense *(continued)*
	2			
	3		11.1	
▽	5			
719.26				
	5			
	9	2.8	12.9	Silty clay, trace sand & gravel, gray, very stiff
-25	14			
	7			
	9	3.0	18.4	
713.26 -30	13			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 8 OF 10
NOISE ABATEMENT WALL

SHEET NO.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
N28	365	(57 & 58)WRS-2	DUPAGE	681	427
N30 SHEETS			CONTRACT NO. 62419		
		ILLINOIS	FED. AID PROJECT		

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