STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

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

Page 1 of 1

Date 4/21/10

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. CB-7
Station 348+82.98
Offset 55.92ft LT
Ground Surface Elev. 738.12 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 727.1 ft ▼
Upon Completion 711.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil & silty clay, trace roots, dark gray	737.12				24.1
Topsoil, sandy loam, black, soft			2		
			2	0.5	38.6
			3		
	735.12				
Silty loam, trace organic, sand & gravel, brown-gray, soft			2		
			1	0.3	40.0
		-5	2		
	732.12				
Silty loam, some organic, trace gravel, dark gray, stiff			1		
			1	1.1	50.9
			1		
	730.12				
Silty loam, with sand seams, trace gravel, dark gray, stiff to soft			2		
			1	1.1	27.3
		-10	1		
		▼			
			1		
			1	1.0	21.3
			2		
			2		
			2	0.3	21.1
		-15	4		
	722.12				
Fine to coarse sand, some silt & clay, gray, wet, medium dense			2		
			3		18.9
			4		
			2		
			3		16.0
		-20	4		
Fine to coarse sand, some silt & clay, gray, wet, medium dense *(continued)*	716.62				
			3		
Silty clay, trace gravel, gray, very stiff			6	2.4	19.0
			7		
			3		
			7	3.0	21.8
		-25	10		
		▽			
			4	2.0	14.9
	708.12	-30	7		
End of Boring					
		-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. 32, TWP. 39N, RNG. 10E

COUNTY DuPage DRILLING METHOD Hollow Stem Auger HAMMER TYPE Auto

STRUCT. NO.
Station

BORING NO. CB-8
Station 348+79.36
Offset 15.54ft LT
Ground Surface Elev. 738.64 ft

Surface Water Elev. ft
Stream Bed Elev. ft

Groundwater Elev.:
First Encounter 720.1 ft ▼
Upon Completion 715.6 ft ▽
After Hrs. ft

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Topsoil, sandy loam, black	737.64				
Silty clay & topsoil, dark gray, very stiff (FILL)			4		
			4	2.3	31.8
			4		
	735.64				
Silty loam, light brown & gray, soft (FILL)			2		
			2	0.3	32.5
	733.64	-5	2		
Silty clay, trace sand & gravel, gray, stiff			1		
			2	1.0	24.1
			2		
			4		
			2	1.1	22.1
		-10	3		
			2		
			4	1.7	22.5
			7		
	725.64				
Silty clay, trace gravel, gray, very stiff			3		
			4	2.2	21.5
		-15	6		
	722.64				
Sandy clay, trace gravel, gray, medium stiff			2		
			3	0.8	10.8
			4		
	720.64				
Silty clay, trace gravel, gray, stiff to very stiff		▼			
			2		
			5	1.2	17.4
		-20	6		
Silty clay, trace gravel, gray, stiff to very stiff *(continued)*					
			3		
			4	2.3	16.1
			6		
	715.64	▽			
Silty clay, trace gravel, gray, stiff			3		
			4	1.0	17.7
		-25	6		
	708.64	-30	7		
End of Boring					
		-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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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. CB-9
Station 349+07.41
Offset 67.60ft LT
Ground Surface Elev. 742.25 ft

Surface Water Elev. ft
Stream Bed Elev. ft

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

Description	Elev.	DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Silty clay & topsoil, dark gray	741.25				20.6
Topsoil, sandy loam & silty clay, dark gray, stiff			2		
			3	1.9	28.9
			4		
			2		
			2	1.3	25.9
		-5	3		
	736.25				
Sandy loam, trace gravel, dark brown, stiff to very stiff			1		
			1	1.8	30.5
			2	3.1	
	734.25				
Silty loam, trace gravel, dark gray, wet, medium stiff			2		
			1	0.6	20.1
		-10	3		
		▼			
			3		
	730.75				
Silty clay, trace gravel, gray, soft			3	0.5	26.9
			4		
	729.25				
Silty clay, with sand seam, trace gravel, gray, very stiff			3		
			5	3.4	21.7
	727.25	-15	7		
Sandy clay, trace gravel, gray, very stiff			3		
			4	2.9	21.9
			7		
	724.25				
Silty loam, trace gravel, gray, wet, stiff			3		
			4	1.6	22.8
		-20	4		
Silty loam, trace gravel, gray, wet, stiff *(continued)*	721.25				
Silty clay, some stone, gray, very stiff to stiff			2		
			3	2.4	14.5
			5		
			3		
			4	1.1	17.3
		-25	5		
	712.25	-30	5		
End of Boring					
		-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)

DESIGNED	RJT
CHECKED	EFS
DRAWN	MB
CHECKED	EFS

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
STRUCTURE NO. 022-2028

SHEET NO. SB-7	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	365	(57 & 58)WRS-2	DUPAGE	681	399
SB-7 SHEETS			CONTRACT NO. 62419		
		ILLINOIS FED. AID PROJECT			

$FILE$
$TIME$
12/3/2010