

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



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

SOIL BORING LOG

Page 1 of 1

Date 4/15/10

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	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	ft	D E P T H	B L O W S	U C S Qu	M O I S T	ft	D E P T H	B L O W S	U C S Qu	M O I S T	
																Groundwater Elev.: First Encounter Upon Completion After Hrs.
4" Topsoil over silty clay with gravel & brick (FILL)					740.89											
Silty clay, trace topsoil, gravel & sand, brown & dark gray, very stiff (FILL)	3	2.1	23.3													
	5															
Silty loam, brown-gray, medium stiff	2	0.6	26.4													
	2															
Silty clay, brown-gray, stiff	3	1.0	27.2													
	6															
Silty clay, brown, hard to stiff	4	4.3	23.7													
	7															
	-10															
	2															
Coarse sand, gray, moist to wet	4	1.8	26.9													
	6															
Silty clay, with sand seam, trace gravel, gray, very stiff	3															
	5	2.9	15.2													
	6															
Silty clay, trace sand & gravel, gray, very stiff to stiff	4	2.8	17.5													
	9															
	4															
	6	1.1	18.0													
	7															
	-20															

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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																Groundwater Elev.: First Encounter Upon Completion After Hrs.
Topssoil, sandy loam, dark brown																
	2															
Silty clay, trace gravel, brown, very stiff	3	2.6	18.0													
	4															
Silty loam, brown-gray, very stiff	4	2.3	25.9													
	4															
	3	2.0	18.1													
	4															
Silty clay, some gravel, brown, very stiff to stiff	3	2.5	15.6													
	7															
	-10															
	3															
	4	1.5	16.0													
	5															
Silty clay, trace gravel, gray, very stiff	3	2.0	16.6													
	4															
	6															
	3															
	4	2.2	20.9													
	5															
Silty clay, trace gravel, gray, very stiff	7	3.0	19.6													
	9															
	11															
	-20															

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
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																Groundwater Elev.: First Encounter Upon Completion After Hrs.
Topssoil, trace gravel & roots, black																
	3															
Sandy clay, trace topsoil & gravel, medium stiff	4	0.8	21.1													
	5															
Silty loam, brown-gray, medium dense	3															
	4	23.4														
	5															
Silty clay, brown-gray, soft	4	0.3	28.8													
	5															
	3															
	4	0.3	34.6													
	5															
	-10															
Silty clay, gray, very stiff	3	3.0	15.3													
	6															
	2															
	7	2.7	15.8													
	11															
	-15															
	4															
	7	2.8	16.1													
	11															
Silty clay, gray, stiff	3	1.8	16.5													
	4															
	6															
	-20															

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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
312-665-0460 Job No. 3733

SHEET NO. N27 N30 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	365	(57 & 58)WRS-2	DUPAGE	681	426
			CONTRACT NO. 62419		
ILLINOIS FED. AID PROJECT					

SOIL BORING LOGS 7 OF 10
NOISE ABATEMENT WALL

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