

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



SOIL BORING LOG

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ROUTE IL Route 56 DESCRIPTION Butterfield Rd (Winfield Rd to Naperville Rd) LOGGED BY MG Date 4/20/10

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.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
					Groundwater Elev.:				
					First Encounter				
					Upon Completion				
					After Hrs.				
					Ground Surface Elev.				
Topsoil & silty clay, dark gray				26.1	Silty clay, trace gravel & sand, gray, very stiff (continued)				
	4					4	8	2.8	25.5
Silty clay & gravel, brown, stiff (FILL)	5	1.0	18.3						
	6								
					Coarse sand & fine gravel, gray, wet, medium dense				
Sandy clay loam, some stone, brown, medium dense (FILL)	3					5	7	4.2	14.9
	4		16.6						
	5				Sandy clay, trace gravel, gray, hard to very stiff				
Silty loam, trace gravel, brown-gray, very stiff	4								
	6	3.7	15.6						
	7								
Silty clay, trace sand & gravel, brown, very stiff	3					7			
	4	2.1	15.2			12	2.4	15.5	
	7					19			
					End of Boring				
Silty clay, trace gravel & sand, gray, very stiff	4								
	7	3.4	19.9						
	9								
	5								
	8	3.9	21.4						
	10								
	4								
	5	3.5	21.5						
	7								
	4								
	5	2.9	22.6						
	7								

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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Station	H	S	Qu	T	ft	H	S	Qu	T
					Groundwater Elev.:				
					First Encounter				
					Upon Completion				
					After Hrs.				
					Ground Surface Elev.				
Silty clay, trace stone, dark gray (FILL)				24.5	Sandy clay, trace gravel, gray, very stiff (continued)				
Silty clay, trace gravel, brown-gray, stiff	3					4	7	3.2	19.7
					Coarse sand & fine gravel, gray, wet, medium dense				
Silty clay, some topsoil, trace stone, dark gray, stiff to medium stiff	2					4			
	1	1.6	21.5			6	1.6	21.9	
	2								
	1								
	1	0.9	31.0						
	1								
Silty clay, trace gravel & organic, dark brown, medium stiff	1					5			
	1	0.6	17.5			6	2.5	15.1	
	1					9			
					End of Boring				
Silty clay, trace gravel & organic, gray, stiff	2								
	2	1.8	27.2						
	2								
Silty clay, trace gravel, brown-gray, stiff	2								
	2	1.0	29.7						
	2								
Silty clay & broken stone, gray, wet, medium stiff	2								
	4	0.7	24.7						
	4								
Sandy clay, trace gravel, gray, very stiff	4								
	5	3.1	23.4						
	8								

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STRUCT. NO.	DEPTH	BLOW	UCS	MOIST	Surface Water Elev.	DEPTH	BLOW	UCS	MOIST
Station	H	S	Qu	T	ft	H	S	Qu	T
					Groundwater Elev.:				
					First Encounter				
					Upon Completion				
					After Hrs.				
					Ground Surface Elev.				
Silty clay, trace gravel, brown (FILL)				23.0	Silty clay, trace gravel, gray, very stiff (continued)				
Silty clay, some stone, brown, medium stiff	2					3			
	3	0.7	25.2			4	2.3	22.8	
	5					7			
Silty clay, trace stone, brown, stiff to hard	5								
	7	1.9	18.9			4	2.2	21.4	
	9					7			
	5								
	7	5.0	16.6						
	10								
Silty clay, trace gravel, brown-gray, very stiff	4					4			
	5	2.7	15.9			7	1.7	25.6	
	8					8			
					End of Boring				
	4								
	5	2.7	14.2						
	6								
Silty clay, trace gravel, gray, hard	4								
	5	4.6	15.9						
	8								
	4								
	5	4.7	23.1						
	8								
Silty clay, trace gravel, gray, very stiff	3								
	4	2.2	23.2						
	5								

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SOIL BORING LOGS 9 OF 10
NOISE ABATEMENT WALL

DESIGNED	RJT
CHECKED	MRB
DRAWN	MB
CHECKED	MRB

benesch

alfred benesch & company
Engineers • Surveyors • Planners
205 North Michigan Avenue, Suite 2400
Chicago, Illinois 60601
312-566-0450 Job No. 3733

SHEET NO. N29	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	365	(57 & 58)WRS-2	DUPAGE	681	428
N30 SHEETS	CONTRACT NO. 62419			ILLINOIS FED. AID PROJECT	

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