

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Testing Service Corporation
STRUCTURE BORING LOG
Page 1 of 1
Date Started 8/17/11
Date Completed 8/17/11

ROUTE _____ DESCRIPTION Retaining Wall
SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-78,889
COUNTY McHenry LOCATION Edgewood Road S. 33SE, TWP. 43N, RNG. 8E

Boring No. 101
Station 130+25
Offset 7.00(LT)
Surface Elev. 777.00 ft

Surface Water Elev. _____
Groundwater Elev. when drilling 774.0
at Completion 772.0
after _____ Hrs. _____

DEPTH (ft)	DESCRIPTION	D	B	W	Qu	S	P	W
		tsf	tsf	tsf	tsf	tsf	tsf	%
0-1	9" Bituminous Concrete							
1-3	5" Sand and Gravel FILL - Black and gray silty CLAY, little to some sand and gravel, little organic, moist to very moist (CL) A-6	3	1.75	14.4				
3-4		1	1.0	18.0				
4-5	FILL - Black and brown clayey SAND, trace gravel, trace organic, very moist (SC) A-4	5		22.5				
5-10	Very stiff brownish-gray to gray silty CLAY, some sand and gravel, moist (CL) A-6	5	3.14	12.6				
10-11		5	2.35	15%				
11-13	Hard gray silty CLAY, some sand and gravel, occasional silt and sand seams, damp (CL) A-6	6	4.5+	10.3				
13-15		9	5.41	10.0				
15-16		11	15%					
16-21		16	4.5+	9.7				
21-23		21						
23-25		23						

End of Boring at 20.0'

SPT Hammer = CME Automatic
4.5" (114 mm) SFA

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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COUNTY McHenry LOCATION Edgewood Road S. 33SE, TWP. 43N, RNG. 8E

Boring No. 102
Station 131+25
Offset 7.00(LT)
Surface Elev. 776.50 ft

Surface Water Elev. _____
Groundwater Elev. when drilling 771.0
at Completion 773.5
after _____ Hrs. _____

DEPTH (ft)	DESCRIPTION	D	B	W	Qu	S	P	W
		tsf	tsf	tsf	tsf	tsf	tsf	%
0-1	9" Bituminous Concrete							
1-2	5" Sand and Gravel Stiff dark brown to black silty CLAY, little sand, trace organic, very moist (CL) A-6	2	1.25	20.3				
2-3		2						
3-4	Stiff brown silty CLAY, little sand, trace gravel, moist (CL) A-6	3	1.75	19.0				
4-6		3						
6-12	Medium dense brown SAND and GRAVEL, saturated (SP/GP) A-1-a	6		7.6				
12-10		12						
10-7	Hard brownish-gray silty CLAY, some sand, trace gravel, occasional sand seams, damp to moist (CL) A-6	6	5.41	8.9				
7-10		7	15%					
10-11		10						
11-5		5	4.33	10.3				
5-7		7	15%					
7-11		11						
11-13	Hard gray silty CLAY, some sand, trace gravel, occasional silt seams, moist to damp (CL) A-6	3	4.5+	10.8				
13-15		4						
15-8		8	9.55	7.3				
8-13		13	15%					
13-17		17						
17-19		19	4.5+	7.9				
19-25		25						

End of Boring at 20.0'

SPT Hammer = CME Automatic
4.5" (114 mm) SFA

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-78,889
COUNTY McHenry LOCATION Edgewood Road S. 33SE, TWP. 43N, RNG. 8E

Boring No. 103
Station 132+25
Offset 7.00(LT)
Surface Elev. 779.00 ft

Surface Water Elev. _____
Groundwater Elev. when drilling 779.5
at Completion 774.0
after _____ Hrs. _____

DEPTH (ft)	DESCRIPTION	D	B	W	Qu	S	P	W
		tsf	tsf	tsf	tsf	tsf	tsf	%
0-1	9" Bituminous Concrete							
1-2	5" Sand and Gravel Stiff dark brown silty CLAY, little sand, trace gravel, trace organic, very moist (CL) A-7-6	2	1.09	23.8				
2-3		3	15%					
3-4	Stiff brown silty CLAY, little sand, moist (CL) A-7-6	2	1.75	24.3				
4-5		2						
5-8	Medium dense brown SAND and GRAVEL, saturated (SP/GP) A-1-a	4		11.7				
8-6		6						
6-4		4						
4-7	Hard brown and gray silty CLAY, some sand, trace gravel, moist (CL) A-6	4	6.57	10.8				
7-9		7	15%					
9-10		9						
10-16	Very stiff brownish-gray silty CLAY, some sand and gravel, occasional sand seams, moist (CL) A-6	5	3.5	10.1				
16-8		6						
8-7		7	2.75	11.9				
7-10		10						
10-15		15						
15-7	Hard brownish-gray silty CLAY, some sand and gravel, damp (CL) A-6	7	4.5+	8.1				
7-11		11						
11-14		14						

End of Boring at 20.0'

SPT Hammer = CME Automatic
4.5" (114 mm) SFA

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

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SECT. _____ STRUCT. NO. _____ DRILLED BY TSC L-78,889
COUNTY McHenry LOCATION Edgewood Road S. 33SE, TWP. 43N, RNG. 8E

Boring No. 104
Station 133+50
Offset 7.00(LT)
Surface Elev. 773.00 ft

Surface Water Elev. _____
Groundwater Elev. when drilling 768.0
at Completion 768.0
after _____ Hrs. _____

DEPTH (ft)	DESCRIPTION	D	B	W	Qu	S	P	W
		tsf	tsf	tsf	tsf	tsf	tsf	%
0-1	9" Bituminous Concrete							
1-3	5" Sand and Gravel Very stiff dark brown silty CLAY, little sand and gravel, trace organic, moist (CL) A-7-6	2	2.25	21.1				
3-3		3						
3-2	Medium stiff brown silty CLAY, little to some sand, very moist (CL) A-6	2	0.75	23.0				
2-2		2						
2-5	Medium dense brown SAND, little gravel, wet (SP) A-1-b	5		12.2				
5-8		5						
8-3	Stiff brownish-gray silty CLAY, some sand, trace gravel, occasional sand seams, moist (CL) A-6	3	1.89	13.5				
3-6		6	15%					
6-10	Very stiff brownish-gray silty CLAY, some sand and gravel, occasional sand seams, A-6	5	2.5	11.3				
10-8		8						
8-5		5	2.42	12.1				
5-8		8	15%					
8-3		3	3.5	10.0				
3-5		5						
5-8	Hard gray silty CLAY, some sand and gravel, damp (CL) A-6	8	7.89	9.6				
8-13		13	15%					
13-16		16						

End of Boring at 20.0'

SPT Hammer = CME Automatic
4.5" (114 mm) SFA

SPT. (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test Stations, Depths, Offset, and Elevations are in Feet

DESIGNED	200
CHECKED	EXAMINED
DRAWN	PASSED
CHECKED	ENGINEER OF BRIDGES AND STRUCTURES

SOIL BORINGS
EDGEWOOD DRIVE OVER
RATT CREEK TRIBUTARY
F.A.U. RTE. 4010
SECTION 09-00078-00-WR
MCHENRY COUNTY
STA. 129+00.00 TO STA. 134+00.00

SHEET NO. S-16 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4010	09-00078-00-WR	MCHENRY	128	95
CONTRACT NO. 63655					
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			