BORING NO. STFX-1

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2

Date Started 8/16/04
Date Completed 8/16/04

ROUTE F.A.U. 361 DESCRIPTION New Stearns Road over the Fox River

SECT. 98-00214-02-BR STRUCT. NO. 045-3166 DRILLED BY TSC L-60,393

COUNTY Kane LOCATION North End West Abutment S. 2 - SW 1/4 , TWP. 40 N , RNG. 8 E

Boring No. STFX-1
Station 565+68
Offset 20.00ft LT
Surface Elev. 724.07 ft

Surface Water Elev. ____
Groundwater Elev.:
when drilling 671.1
at Completion Cave at 42.0'
after ____ Hrs. ____

Description	Elev.	Depth	Blows	Qu tsf	W %
Black clayey Topsoil	723.77				
Hard brown CLAY, damp to moist A-6			3 4 6	P 4.5	17.9
			4 7 7	P 4.5	17.8
	718.57	-5			
Medium dense brown SILTY LOAM, damp A-4			4 7 10		12.4
	716.07				
Hard brown CLAY, moist A-6			12 16 9	B 6.6 15%	14.5 3.6
	714.57	-10			
Medium dense to dense brown SAND and GRAVEL, occasional Cobbles, damp A-1-a			5 9 10		4.1
			20 26 13		3.3
		-15			
			4 7 6		3.4
	706.07				
Medium dense brown SAND, trace gravel, damp A-1-b			9 7 6		3.8
	703.57	-20			
Medium dense brown SAND and GRAVEL, damp A-1			5 9 13		3.4
	699.07	-25	7 9 10		4.3
Dense brown SAND and GRAVEL, occasional Cobbles, damp A-1-a			12 20 24		3.8
	694.57		22 19 4	B 6.2 15%	6.5 13.9
		-30			
Hard brownish-gray CLAY, moist A-6	692.07				
			8 8 15	B 3.9 15%	18.7
		-35			
Very stiff gray CLAY, trace gravel, moist A-6			9 12 14	B 3.5 15%	16.6
		-40			
	682.07				
Medium dense gray sandy SILT, damp A-4			8 10 13		11.3
		-45			
	677.07				
Stiff gray CLAY LOAM, trace gravel, moist A-4/A-6			10 9 20	B 1.8 15%	9.0
		-50			

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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ILLINOIS DEPARTMENT OF TRANSPORTATION
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STRUCTURE BORING LOG

Page 2 of 2

Date Started 8/16/04
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STRUCTURE NO. 045-3166
ROUTE F.A.U. 361
SECTION 98-00214-02-BR
COUNTY Kane

STRUCTURE NO. 045-3166
ROUTE F.A.U. 361
SECTION 98-00214-02-BR
COUNTY Kane

Boring No. STFX-1
Station 565+68
Offset 20.00ft LT
Elevation 674.07 ft

Elevation 649.07 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
Stiff gray CLAY LOAM, trace gravel, moist A-4/A-6	672.07				
			30 37 17		8.8
		-55			
Medium dense to dense gray SAND and GRAVEL, saturated A-1-a			20 10 12		10.7
		-60			
			9 19 29		5.7
		-65			
	652.07				
Hard gray CLAY, trace gravel, moist A-6			12 19 19		6.0
		-70			
			4 15 19	B 5.2 15%	12.1
		-75			
Hard gray CLAY, trace gravel, moist A-6			18 26 33	B 7.0 15%	11.9
	644.07	-80			
End of Boring at 80.0'					
CME 850 Track ATV Drill Rig (#127) CME Automatic Hammer					
3.25" (83 mm) ID HSA					
		-85			
		-90			
		-95			
		-100			

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

REVISIONS	
NAME	DATE

Baker
Baker Engineering, Inc.

ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG IV

STEARNS ROAD
OVER THE FOX RIVER
STRUCTURE NUMBER 045-3166

PUBLIC WATERS

KANE COUNTY FAP 361 SECTION 06-00214-20-BR
STATION 571+42.96
DESIGNED: WEI DRAWN: SGW
DATE: JANUARY 16, 2009 CHECKED: WEI CHECKED: DFM

h:\13005\3.0 phase II deliverables\3.3 structure\drawings\Final\045-3166 Boring Log 4.dgn
1/15/2009