BORING NO. STFX-6

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 South End Pier 6 S. 2 - SW 1/4, TWP. 40 N, RNG. 8 E

Boring No. STFX-6
Station 573+45
Offset 37.00ft RT
Surface Elev. 686.30 ft

Surface Water Elev. +2.0
Groundwater Elev.:
when drilling River
at Completion River
after ___ Hrs. ___

Description	Elev.	Depth	Blows	Qu tsf	W %
Loose brown and gray SAND and GRAVEL, saturated A-1-a	683.30		3 4 4		12.0
Medium dense gray SAND and GRAVEL, saturated A-1-a	680.80	-5	6 6 10		12.6
Medium dense gray SAND, little to some gravel, saturated A-1-b	678.30		9 12 13		16.4
Medium dense to dense gray SAND and GRAVEL, saturated A-1-a	673.30	-10	9 10 14		9.2
			9 13 17		8.7
Medium dense gray SAND and GRAVEL, saturated A-1-a	668.30	-15	9 6 5		6.0
			6 9 9		4.2
Medium dense gray fine to medium SAND, trace gravel, saturated A-3	665.80	-20	10 12 12		17.0
Medium dense gray sandy CLAY with sand layers, trace gravel, moist A-4	663.30		9 11 14	P 1.25	9.7
Dense gray SILTY LOAM, occasional sand seams, damp A-4	661.30	-25	5 11 20	P 2.5	9.6
Dense gray fine to medium SAND, trace to little gravel, saturated A-1-b	656.80	-30	25 23 25		10.8
			10 13 27		10.9
Dense gray Cobbles and Boulders A-1-a	655.30				8.1
Hard brownish-gray CLAY and CLAY LOAM, trace gravel, moist A-6	636.30	-35	10 17 14	B 5.3 15%	12.5
		-40	8 16 19	B 5.4 15%	12.6
		-45	8 14 12	B 4.0 15%	12.4
		-50	7 10 11	B 4.5 15%	13.0

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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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-6
Station 573+45
Offset 37.00ft RT
Elevation 636.30 ft

Elevation 611.30 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
Hard brownish-gray CLAY, trace gravel, moist A-6		-55	10 16 14	B 5.1 15%	11.6
	624.30	-60	10 15 17	B 6.4 15%	12.3
Very hard brownish-gray CLAY, little to some gravel, moist A-6	619.30	-65	26 38 50	B 8.9 15%	11.8
Very dense gray clayey SAND and GRAVEL, occasional Cobbles, moist A-1	613.30	-70	71 50/3"	P 2.0	9.5
Very dense SAND and GRAVEL, occasional Cobbles, saturated A-1-a	611.30	-75	150/6"		6.6
End of Boring at 75.0'		-80			
Mobile B-57 Ardco ATV Rig (#159) CME Automatic Hammer		-85			
3.25" (83 mm) ID HSA		-90			
Depth of River = 2.0'		-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 IX

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

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1/15/2009