CONTRACT NO. 63075

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	207
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. S102 OF S108

BORING NO. STFX-9

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date Started 3/10/04
Date Completed 3/11/04

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

SECT. 98-00214-02-BR STRUCT. NO. 045-3166 DRILLED BY TSC/L-59,965

COUNTY Kane LOCATION East of East Abutment S. 2-SW 1/4 , TWP. 40 N , RNG. 8 E

Boring No. STFX-9
Station 577+69
Offset 37.00ft LT
Surface Elev. 694.10 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 688.6
at Completion
after Hrs.

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - Brown SAND and GRAVEL with some layers of clay, moist A-1 & A-6	691.10		4 6 7		10.4
Stiff dark gray and brown CLAY LOAM, trace gravel, very moist A-6	688.60	-5	5 7 7	B 1.9 15%	22.5
Dense brown and gray SAND and GRAVEL, occasional Cobbles (rock fragments recovered), saturated A-1-a	683.60	-10	16 19 20		
			17 19 22		
Dense to very dense gray SAND and GRAVEL, occasional Cobbles (rock fragments recovered), saturated A-1-a	678.60	-15	20 22 21		
			19 30 50/5"		
(Poor recovery - disturbed sample)			4 7 6		19.8
Very stiff brownish-gray CLAY and SILTY CLAY LOAM, occasional silt and sand seams, trace gravel, moist A-6(11)		-20	8 11 15	B 2.8 15%	13.8
			8 17 22	B 3.9 15%	16.5
Sample 9: LL/PL/PI=25/10/15	669.10	-25	9 15 16	B 3.1 15%	17.5
Dense brown SAND, trace gravel, saturated A-1-b	667.10		10 15 20		18.2
Dense brownish-gray SILT, moist A-4	666.10				
Stiff reddish-brown CLAY LOAM with sand lenses, trace gravel, moist to very moist A-4/A-6	662.10	-30	6 8 10	B 1.8 15%	16.1
Hard to very stiff reddish-brown CLAY LOAM, trace gravel, moist A-6(7)		-35	8 16 22	B 5.0 15%	12.2
Sample 14: LL/PL/PI=26/10/16		-40	11 14 20	B 2.9 15%	12.4
(Qp = 4.0 tsf)	647.10	-45	13 14 18	B 1.9 15%	12.4
Hard reddish-brown CLAY LOAM, trace gravel, moist A-6	644.10	-50	14 22 27	B 5.3 15%	11.3

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

BORING NO. STFX-9

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 2 of 2
Date Started 3/10/04
Date Completed 3/11/04

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

Boring No. STFX-9
Station 577+69
Offset 37.00ft LT
Elevation 644.10 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
		-55	17 26 39	B 6.7 15%	13.5
Hard reddish-brown CLAY and CLAY LOAM, trace gravel, damp to moist A-6		-60	14 22 34	B 4.7 15%	14.1
(Qp = 4.5+ tsf)		-65	15 26 27	B 3.9 15%	12.6
	624.10	-70	19 30 34	B 5.4 15%	11.6
End of Boring at 70.0'					
Gus Pech GP-750 Truck Rig (#217) Rope and Cathead Hammer					
Rotary Wash Drill below 20 feet		-75			

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 XII

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 12.dgn
1/15/2009