CONTRACT NO. 63075

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
361	06-00214-20-BR	KANE	320	205
STA. 511+80.00		TO STA. 609+14.92		
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT		

SHEET NO. S100 OF S108

BORING NO. STFX-7

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date Started 3/12/04
Date Completed 3/12/04

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 Pier No. 7 S. 2-SW 1/4 , TWP 40 N , RNG. 8 E

Boring No. STFX-7
Station 575+13
Offset 7.00ft RT
Surface Elev. 691.10 ft

Surface Water Elev.
Groundwater Elev.:
when drilling 687.6
at Completion 688.1
after 24 Hrs. 688.6

Description	Elev.	Depth	Blows	Qu tsf	W %
Black and dark gray ORGANIC CLAY, very moist A-7-6	689.10		3 4 4	B 0.6 15%	36.2 30.6
Medium stiff brown and gray CLAY, very moist A-7-6	688.10				
Medium dense brown and gray SAND and GRAVEL, saturated A-1	685.60	-5	5 6 6		20.8
Medium dense gray SILTY LOAM, occasional silt seams, moist A-4	683.10		4 6 6	P 2.25	16.7
Medium dense to dense gray GRAVEL, little sand, saturated A-1-a	680.60	-10	8 13 16		6.0
Dense gray GRAVEL, little sand, occasional Cobbles, saturated A-1-a		-15	18 20 25		4.4
			17 22 25		8.8
			15 25 22		6.4
	670.60	-20	18 21 26		4.7
Very dense gray GRAVEL and COBBLES, saturated A-1-a	668.10		23 50/2"		2.2
Dense gray fine to medium SAND, trace gravel, saturated A-1-b	666.10	-25	15 17 19		10.4
Stiff gray CLAY LOAM, trace gravel, moist A-4/A-6	663.10		16 19 17	B 1.7 15%	12.0
Very stiff gray SANDY LOAM, trace gravel, moist A-2-4/A-4	659.10	-30	9 9 13	B 2.4 15%	8.4
Very hard brownish-gray CLAY LOAM and SANDY LOAM, trace gravel, damp A-4/A-6	654.10	-35	11 16 19	S 4.6 10%	9.4
Sample 14: LL/PL/PI=24/13/11		-40	8 12 12	B 5.7 15%	12.4
Hard to very hard brownish-gray CLAY LOAM, trace gravel, damp to moist A-6(5)		-45	10 12 15	B 6.4 15%	9.8
Dark brown and gray silty fine SAND, wet A-1-b	642.10	-50	12 18 25	B 4.6 15%	12.4 10.3

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-7

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Date Started 3/12/04
Date Completed 3/12/04

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-7
Station 575+13
Offset 7.00ft RT
Elevation 641.10 ft

Elevation 616.10 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
Dark brown and gray silty fine SAND, wet A-1-b	639.10				
Hard gray CLAY, trace gravel, damp A-6	634.10	-55	11 13 13	B 5.9 15%	11.6
Dark brown and gray fine to medium SAND, trace silt, saturated A-1-b	629.10	-60	13 18 21		14.3
Hard to very hard brownish-gray CLAY LOAM and SANDY LOAM, trace gravel, damp to moist A-4/A-6		-65	18 20 23	S 5.0 10%	10.9
		-70	13 19 25	B 8.7 15%	9.1
***	616.60 616.10	-75	26 30 35	B 8.9 15%	11.4 9.2
***74.5' - 75.0' Very dense gray silty SAND and GRAVEL, saturated A-1-a		-80			
		-85			
		-90			
		-95			
Mobile B-57 Ardco ATV Rig (#159) CME Automatic Hammer 3.25" (83 mm) ID HSA					
End of Boring at 75.0'		-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 X

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 10.dgn
1/15/2009