

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date Started 3/15/04
Date Completed 3/15/04

ROUTE F.A.U. 361 DESCRIPTION New Stearns Road Bridge over N. Arm Brewster Creek
SECT. 98-00214-02-BR STRUCT. NO. 045-3167 DRILLED BY TSCA-59.965
COUNTY Kane LOCATION South End EB East Abutment S. 2-SE ¼, TWP. 40 N, RNG. 8 E

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	DEPTH	BLOW	Qu	W
NSNA-1	590+17	45.00 FT	694.73 ft	H	S	tsf	%	when drilling	T	W	tsf	%
								Elev. 690.7				
Dark brown and black CLAY LOAM (topsoil), moist to very moist A-6/A-7-6				4	4	3.5	20.0		11	10		9.0
Medium dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a				12	12	0.5	25.9		14	11		10.2
Medium dense gray SAND and GRAVEL, occasional Cobbles, trace clay, saturated A-1-a				5	7		11.9		15	15		
Medium dense brown fine to medium SAND, trace to little gravel, saturated A-1-b				7	7		21.0		9	13		18.3
Medium dense brown fine SAND, saturated A-3				10	13		26.4		13	15		9.0
Soft gray SILTY LOAM, very moist A-6				4	2	0.25	29.3		15	22		
Medium dense gray clayey SAND and SILT, occasional Cobbles, moist A-4 & A-1				6	8		17.2		13	18		17.0
Medium dense to dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a				9	9		13.1		18	20		
Dense gray SAND and GRAVEL, saturated A-1-a				14	11		6.0		9	8		24.2
Dense brown and gray silty SAND, clay layer at 49 feet, saturated A-1-b & A-6				15	21		8.8		15	12		19.0
				23					22	15%		17.4

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 ROUTE F.A.U. 361
SECTION 98-00214-02-BR SECTION 98-00214-02-BR
COUNTY Kane COUNTY Kane

Boring No.	Station	Offset	Surface Elev.	DEPTH	BLOW	Qu	W	Surface Water Elev.	DEPTH	BLOW	Qu	W
NSNA-1	590+17	45.00 FT	844.73 ft	H	S	tsf	%	when drilling	T	W	tsf	%
								Elev. 819.73 ft				
Dense brown and gray silty SAND, trace gravel, saturated A-1-b				13	13	1.2	11.0		13	15		
Dense reddish-gray CLAY LOAM and SANDY LOAM, trace gravel, moist A-4				13	15	1.2	11.0		23	28		7.0
Very dense brown and gray SAND and GRAVEL, saturated A-1-a				23	28		7.0		38	50/5"		21.4
Very dense grayish-brown SILT, moist A-4				38	50/5"		21.4		60	50/3"		20.4
Very dense brown fine SAND, wet A-1-b				60	50/3"		20.4		100/5"	4.5		13.1
Very dense brownish-gray CLAY LOAM, occasional Cobbles, damp A-4				100/5"	4.5		13.1		22	15%		10.0

SPT, (N) = Sum of last two blow values in sample. (Qu) B=Bulge S=Shear P=Penetration Test
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NSNA-4

 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	BORING SECTION 06-00214-08-BR F.A.U. ROUTE 361 / NEW STEARNS ROAD OVER THE NORTH ARM OF BREWSTER CREEK KANE COUNTY
	ELGIN • SPRINGFIELD PROJECT NUMBER: 12-05-0077-1 DATE: 09/20/07 DESIGNED: T.P.L. CHECKED: J.L.D. DRAWN: P.J.L.

STRUCTURE NO. 045-3167 (E.B.) / STATION 590+50.50