

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

Page 1 of 2
Date Started 3/15/04
Date Completed 3/16/04

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 TSC/L-50,965
COUNTY Kane LOCATION North End EB Center Pier S. 2 SE 1/4, TWP. 40 N., RNG. 8 E

Boring No.	DEPTH	SOIL	Qu	W	Surface Water Elev.	DEPTH	SOIL	Qu	W	Groundwater Elev. when drilling at Completion after Hrs.
NSNA-2										691.4
Station 589+16										
Offset 15.00ft RT										
Surface Elev. 644.35 ft										
Soft black CLAY LOAM (topsoil), very moist A-7-B	3 3 4	P 0.5	38.5			7 9 11	B 6.4 15%		15.9	
691.85										
Loose gray SAND and GRAVEL, saturated A-1-a	6 5 4		12.4			7 10 12	B 5.4 16%		16.5	
698.85										
Medium dense gray silty SAND, trace organic, saturated A-1-b	4 7 9		16.8							692.35
699.35										
Very loose gray clayey SAND, trace organic, wet A-6	WOH		36.6			8 7 8			18.1	
693.85										
Very soft black and gray organic silty CLAY with sandy clay layers, very moist A-7-S	WOH	B 0.1 15%	46.3							697.35
691.35										
Medium dense gray fine to medium SAND, trace gravel, saturated A-3	3 6 8		18.4			7 10 12			21.5	
678.35										692.35
Medium dense gray SAND and GRAVEL, saturated A-1	5 7 8		13.1			12 16 17			15.3	
673.85										
Very stiff gray SILTY CLAY LOAM, trace gravel, moist A-4/A-6	7 9 13	P 2.0	11.0							647.35
671.35										
Hard gray CLAY, trace gravel, moist A-6	4 6 11	B 5.2 15%	15.4			13 18 22			13.0	
658.35										

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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STRUCTURE NO. 045-3167 ROUTE F.A.U. 361
SECTION 98-00214-02-BR COUNTY Kane

Boring No.	DEPTH	SOIL	Qu	W	Elevation	DEPTH	SOIL	Qu	W
NSNA-2					619.35 ft				
Station 589+16									
Offset 15.00ft RT									
Surface Elev. 644.35 ft									
Dense brown and gray fine SAND, trace silt, saturated A-3					642.35				
640.35									
Stiff brown and gray CLAY LOAM, very moist A-4	11 14 22	B 1.0 16%	15.5			38 45 47		7.2	
640.35									
Dense brown and gray SAND and GRAVEL, saturated A-1-a					637.35				
637.35									
End of Boring at 62.5'					611.85				
16 19 21			11.9						
630.35									
Dense brown and gray silty fine SAND, saturated A-3					627.35				
627.35									
Very dense gray SAND and GRAVEL, saturated A-1-a	14 23 33		6.3						
622.35									
Very dense Cobbles and Boulders, some sand, saturated A-1-a	39 45 50/1"		5.0						
617.35									

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

NSNA-2

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS

HLR

3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400

ELGIN • SPRINGFIELD

PROJECT NUMBER: 12-05-0077-1 DATE: 09/20/07
DESIGNED: T.P.L. CHECKED: J.L.B. DRAWN: P.J.L.

BORING

SECTION 06-00214-08-BR
F.A.U. ROUTE 361 / NEW STEARNS ROAD
OVER THE NORTH ARM OF BREWSTER CREEK
KANE COUNTY

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