ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.U. 361	06-00214 -08-BR	KANE	50	32
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT-	

CONTRACT NO. 83978 Sheet 18 of 18 W.B.

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 N. Arm Brewster Creek
SECT. 98-00214-02-BR STRUCT. NO. 045-3167 DRILLED BY TSC/L-59,965
COUNTY Kane LOCATION South End WB East Abutment S. 2-SE ¼ , TWP. 40 N , RNG. 8 E

Boring No. NSNA-5
Station 590+97
Offset 18.00ft LT
Surface Elev. 695.24 ft

Surface Water Elev.
Groundwater Elev.: when drilling 690.7
at Completion
after 24 Hrs. 691.2

Description	Elev.	Depth	Blows	Qu tsf	W %
FILL - Black clayey SAND, little gravel, trace organic, wet A-2-4	692.24		6 7 10		27.9
Medium dense black and gray clayey SAND, trace to little gravel, wet A-2-4	689.74	-5	6 8 9		22.3
Medium dense black and gray clayey SAND and GRAVEL, wet A-1	687.24		5 8 16		12.5
Dense gray GRAVEL, occasional Cobbles, saturated A-1-a	684.74	-10	23 20 21		9.7
Dense gray SAND and GRAVEL, trace clay, saturated A-1-a	682.24		23 20 21		10.6
Dense gray SAND, little to some gravel, saturated A-1-b	679.24	-15	23 24 18		8.4
(occasional Cobbles)			15 16 28	9.4	15.9
Dense gray SILTY LOAM, trace to little gravel, moist A-4	674.74	-20	10 B 16 4.4 16 15%		11.0
(No Recovery)			14 15 19		
Very stiff gray CLAY, trace gravel, moist A-6		-25	14 B 17 3.5 25 15%		16.6
Very stiff gray CLAY, trace gravel, moist A-6	667.24		10 B 14 2.4 18 15%		17.4
Dense gray silty fine SAND, saturated A-1/A-2	663.24	-30	15 21 30		17.3
Very stiff gray CLAY, occasional silt seams, trace gravel, moist A-6	658.24	-35	8 B 9 2.8 15 15%		18.6
Very stiff gray CLAY, numerous silt seams, trace gravel, moist A-4/A-6	653.24	-40	B P 10 2.5 15		17.9
Medium dense to dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a		-45	30 9 10		11.0
(occasional Cobbles)		-50	8 B 50/6"		12.6

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

ILLINOIS DEPARTMENT OF TRANSPORTATION
Testing Service Corporation
STRUCTURE BORING LOG

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

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

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

Boring No. NSNA-5
Station 590+97
Offset 18.00ft LT
Elevation 645.24 ft

Elevation 620.24 ft

Description	Elev.	Depth	Blows	Qu tsf	W %
Medium dense to dense gray SAND and GRAVEL, occasional Cobbles, saturated A-1-a	643.24				
		-55	38 B 46 9.3 50/4" 15%		11.3
Very hard reddish-gray CLAY LOAM, trace gravel, damp A-6		-60	33 B 43 6.0 50/3" 15%		10.8
	658.24				
(No Recovery)		-65	100/6"		
Very dense gray SAND, trace to little gravel, occasional Cobbles, saturated A-1		-70	89 120 104		17.0
	623.24				
Very hard reddish-gray CLAY LOAM, trace gravel, moist A-6	620.24	-75	48 B 50/4" 6.3 15%		9.5
		-80			
		-85			
		-90			
		-95			
		-100			

Gus Pech GP-750 Truck Rig (#217) Rope and Cathead Hammer

3.25" (83 mm) ID HSA to 20 feet

Rotary Wash Drill below 20 feet

End of Boring at 75.0'

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

NSNA - 5

HAMPTON, LENZINI & RENWICK, INC.
CIVIL & STRUCTURAL ENGINEERS
LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
(217) 546-3400
HLR
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. 045-3165 (W.B.) / STATION 590+18.15