F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	631-T	COOK	33	26
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 9 of 10

Contract No.: 62710

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2

Date 7/9/02

ROUTE FAP 343 (IL 68) DESCRIPTION Over Spring Creek LOGGED BY Pedro Nazario

SECTION LOCATION SW 14, SEC. 17, TWP. 42, RNG. 9, 3rd PM

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-1035
Station

BORING NO. SB-102
Station 50+10
Offset 15.00ft LT
Ground Surface Elev. 800.51 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 791.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Topsoil			
788.01			
Soft to Medium Stiff Dark Brown SILTY CLAY	2		
	2		16
	2		
-5			
	4		
	7	0.0	17
	3	P	
Grades to Hard			
Hit Large Gravel or Cobble	24		
	26	4.5	6
796.01	12	P	
Medium Dense Gray Fine SAND w/gravel			
-15	10		
	9		11
	7		
	4		
	5		15
	7		
-15			
Begin Wash	8		
	7		12
	9		
783.51			
Medium Stiff Gray SILTY CLAY w/gravel			18
-20			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium Stiff Gray SILTY CLAY w/gravel (continued)	4		
	9		8
	4		
778.51			
Medium Stiff to Stiff Gray CLAY, trace gravel	6		
	6		6
	9		
-25			
	2		
	3	1.5	19
	5	P	
773.51			
Soft Gray SANDY CLAY	0		
	1	0.0	17
	2	P	
-30			
	0		
	1	0.0	18
	2	P	
768.51			
Stiff Gray CLAY w/pebbles	4		
	5	1.5	16
	5	P	
766.01			
Stiff Gray SANDY CLAY, trace gravel -35	5		
	6	2.0	16
	8	P	
763.51			
Medium Dense Gray Coarse SAND and Fine GRAVEL	5		11
	8		
	11		
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2

Date 7/9/02

ROUTE FAP 343 (IL 68) DESCRIPTION Over Spring Creek LOGGED BY Pedro Nazario

SECTION LOCATION SW 14, SEC. 17, TWP. 42, RNG. 9, 3rd PM

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-1035
Station

BORING NO. SB-102
Station 50+10
Offset 15.00ft LT
Ground Surface Elev. 800.51 ft

Surface Water Elev. ft
Stream Bed Elev. ft
Groundwater Elev.:
First Encounter 791.5 ft
Upon Completion ft
After Hrs. ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium Dense Gray Coarse SAND and Fine GRAVEL (continued)	4		
	9		8
	4		
	6		
	6		6
	9		
-45			
	9		
	11		14
754.01	12		
Wash Boring Beginning at 14'. No Rimac Qu tests in this boring. End of Boring			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 1 of 2

Date 3/3/04

ROUTE FAP 343 (IL 68) DESCRIPTION Culvert at Spring Creek LOGGED BY C. Goddard

SECTION 631T LOCATION NW 14, SEC. 20, TWP. T42N, RNG. R9E, 3rd PM

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-1035
Station 50+00

BORING NO. SB-104
Station 50+33
Offset 32.00ft Rt CL
Ground Surface Elev. 795.37 ft

Surface Water Elev. 795.09 ft
Stream Bed Elev. 792.52 ft
Groundwater Elev.:
First Encounter 790.4 ft
Upon Completion 795.4 ft
After - Hrs. -

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Black SILTY CLAY w/some roots and trace coarse gravel			
			36
792.87	3		
Stiff Gray SILTY CLAY w/trace coarse sand and coarse gravel	4	2.5	11
	4	B	
-5			
	3		
	5	2.1	13
	6	B	
Grades w/coarse gravel	5		
Note: Sample Disturbed	7	2.0	13
	9	P	
-10			
	3		
	4	2.8	16
Thin Silt Seam @ about 11.0 ft.	6	B	
Grades w/o coarse gravel	3		
	5	3.8	17
	7	B	
-25			
Grades to Stiff	1		
	3	1.4	20
	4	B	
Grades w/trace coarse gravel	1		
	3	1.4	20
	3	B	
-30			

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Stiff Gray SILTY CLAY w/trace coarse sand and coarse gravel (continued) Grades w/o coarse gravel	1		
	2	1.2	20
	4	B	
	1		
	3	1.6	19
	5	B	
-35			
	2		
	3	1.6	20
	3	B	
	2		
	3	2.4	18
	5	B	
	3		
	3	1.6	15
	6	B	
5 inch thick lense of fine to coarse gravel @ about 35.0 ft.	11		
	6	1.3	16
	6	B	
757.07			
Medium Dense Gray Fine to Coarse SAND			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

Illinois Department of Transportation
Division of Highways
ILLINOIS DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

Page 2 of 2

Date 3/3/04

ROUTE FAP 343 (IL 68) DESCRIPTION Culvert at Spring Creek LOGGED BY C. Goddard

SECTION 631T LOCATION NW 14, SEC. 20, TWP. T42N, RNG. R9E, 3rd PM

COUNTY Cook DRILLING METHOD CME 750, 3.25" ID HSA HAMMER TYPE CME Automatic

STRUCT. NO. 016-1035
Station 50+00

BORING NO. SB-104
Station 50+33
Offset 32.00ft Rt CL
Ground Surface Elev. 795.37 ft

Surface Water Elev. 795.09 ft
Stream Bed Elev. 792.52 ft
Groundwater Elev.:
First Encounter 790.4 ft
Upon Completion 795.4 ft
After - Hrs. - ft

DEPTH (ft)	BLOWS (6")	UCS Qu (tsf)	MOIST (%)
Medium Dense Gray Fine to Coarse SAND (continued)	3		
Began Washing @ about 40.0 ft due to sand filling the hollow-stem augers up to a depth of about 25 ft..	6		17
	7		
-45			
Note: Very Little Recovery	7		19
	10		
748.67	11		
Wash from about 40 feet. End of Boring			
-60			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

RJN GROUP
RJN GROUP, INC.
WHEATON, IL 60187

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BORINGS-I
IL RTE. 68 OVER SPRING CREEK
FAP RTE 343 - SECTION 631-A
COOK COUNTY
STATION 50+00
STRUCTURE NO. 016-2811

DRAWN BY BLB
DATE 12/11/08 CHECKED BY WJV