



Illinois Department of Transportation
Division of Highways
IDOT

SOIL BORING LOG

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Date 7/12/13

ROUTE US RT 24 DESCRIPTION Culvert over Frazier Creek LOGGED BY M. Tappan
SECTION 1(RS-5, CR-1,2,3)(RS-6) LOCATION SE 1/4, SEC. 5, TWP. 1S, RNG. 8W, 4 PM
COUNTY Adams DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 001-2509
Station 2260+00
BORING NO. 3 SE WW
Station 2260+07
Offset 15.0ft LT
Ground Surface Elev. 669.1 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	COMPRESSION (%)
0				
5				
10				
15				
20				

Surface Water Elev. _____ ft
Stream Bed Elev. 655.4 ft
Groundwater Elev.:
 First Encounter cored w/ water _____ ft
 Upon Completion cored w/ water _____ ft
 After Hrs. Plugged _____ ft

Drill to Auger Refusal at 7.5 ft and Started coring
Cored thru Concrete from 7-8 ft then soil to 13ft
Started Rock Core at 13 ft

Borehole continued with rock coring.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating
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)

File Name: S:\SOILS\BORING FILES\ADAMS\001-2509 OVER FRAZIER CREEK.GPJ Date Printed: 8/12/13
Latitude: 40.0 2.467N Longitude: 91.0 20.42W Datum: NAD83 Job Number:

BORING 3 SE WW



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ROCK CORE LOG

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Date 7/12/13

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SECTION 1(RS-5, CR-1,2,3)(RS-6) LOCATION SE 1/4, SEC. 5, TWP. 1S, RNG. 8W, 4 PM
COUNTY Adams CORING METHOD Water

STRUCT. NO. 001-2509 CORING BARREL TYPE & SIZE NQ2WL
Station 2260+00
BORING NO. 3 SE WW
Station 2260+07
Offset 15.0ft LT
Ground Surface Elev. 669.1 ft

DEPTH (ft)	RECOVERY (%)	CORE DIAMETER (in)	STRENGTH (min/ft)	REMARKS
0				
1	100	2	80	Grayish Brown Weathered Fossiliferous Argillaceous LIMESTONE Closed Joints w/ 2-12" spacing
15				
19.4	82	2	72	Lt Blue Gray V. Well Indurated CLAYEY SHALE Closed Joints w/ 2-12" spacing
20				
25.6				
30.6	100	3	94	Dk Gray Moderately Indurated CLAYEY SHALE Closed Joints w/ 1-3' spacing
30.8				
31				
35				
39				

Grayish Brown Weathered Fossiliferous Argillaceous LIMESTONE
Closed Joints w/ 2-12" spacing

Lt Blue Gray V. Well Indurated CLAYEY SHALE
Closed Joints w/ 2-12" spacing
Dk Gray Moderately Indurated CLAYEY SHALE
Closed Joints w/ 1-3' spacing

Color pictures of the cores Yes, On File
Cores will be stored for examination until 5 Years after Construction
The "Strength" column represents the uniaxial compressive strength of the core sample (ASTM D-2938)
RQD is the ratio of the total length of sound core specimens >4" to total length of core run BBS, form 138 (Rev. 8-99)

ROCK CORE 001-2509 OVER FRAZIER CREEK.GPJ Date Printed: 8/12/13



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SECTION 1(RS-5, CR-1,2,3)(RS-6) LOCATION SE 1/4, SEC. 5, TWP. 1S, RNG. 8W, 4 PM
COUNTY Adams DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO. 001-2509
Station 2260+00
BORING NO. 4 SW Sounding
Station 2260+07
Offset 15.0ft LT
Ground Surface Elev. 669.1 ft

DEPTH (ft)	BLOW COUNT (blows/ft)	UNIFIED SOIL CLASSIFICATION	MOISTURE (%)	COMPRESSION (%)
0				
5				
10				
15				
20				

Blind Drill to Auger Refusal
Top of Rock at 12.5 ft
Auger Refusal at 13 ft

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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BORING 4 SW SOUNDING