

Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG Page 1 of 2 Date 10/16/11

ROUTE FAP 749 (IL 133) DESCRIPTION Embarras River LOGGED BY G. Benson

SECTION (122BR)B-1 LOCATION W 12 - Sec 14, E 12 - Sec 15, SEC., TWP. 14 N, RNG. 10 E, 3 PM

COUNTY Coles DRILLING METHOD HAMMER TYPE

STRUCT. NO. 015-0030 Station 713+10

BORING NO. 3 (1961) Station 714+13 Offset 22.0ft Lt Ground Surface Elev. 601.70 ft

DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)
0				Loose, mottled, SANDY LOAM.	0			
5	5				5	5		
10				Loose, gray, SAND.	10			
15					15			
20				Very dense, gray-green, SANDY SHALE. (continued)	20			
25					25			
30					30			
35					35			
40					40			
45					45			
50					50			
55					55			
60					60			

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, form 137 (Rev. 8-99)

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STRUCT. NO. 015-0030 Station 713+10

BORING NO. 3 (1961) Station 714+13 Offset 22.0ft Lt Ground Surface Elev. 601.70 ft

DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)
0				Very dense, dark gray to black, carbonaceous, SHALE.	0			
5					5			
10					10			
15					15			
20					20			
25					25			
30					30			
35					35			
40					40			
45					45			
50					50			
55					55			
60					60			

Extent of exploration. 558.70

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)
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SECTION (122BR)B-1 LOCATION W 12 - Sec 14, E 12 - Sec 15, SEC., TWP. 14 N, RNG. 10 E, 3 PM

COUNTY Coles DRILLING METHOD HAMMER TYPE

STRUCT. NO. 015-0030 Station 713+10

BORING NO. 4 (1961) Station 714+62 Offset 35.0ft Lt Ground Surface Elev. 604.10 ft

DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)	SOIL DESCRIPTION	DEPTH (ft)	BLOW COUNT	UCS (tsf)	MOISTURE (%)
0				Loose, mottled, SANDY LOAM.	0			
5	5				5	5		
10				Very loose, gray, SAND.	10			
15					15			
20					20			
25					25			
30					30			
35					35			
40					40			
43				Dense, gray-blue, SANDY SHALE.	43			
45					45			
50					50			
55					55			
60					60			

Extent of exploration. 571.10

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, form 137 (Rev. 8-99)