

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION



Illinois Department of Transportation  
Division of Highways  
SOIL BORING LOG

Page 1 of 2

Date 10/14/15/2008

ROUTE FAP 322 DESCRIPTION U.S. 51 over North Fork Kaskaskia River - Bridge Replacement LOGGED BY SCI

SECTION 25BR-1 LOCATION Approx. 1.5 miles south of Vernon: NW 1/4, SEC. 22, TWP. 4N, RNG. 1E

COUNTY Marion DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 061-0002 (existing)  
Station 687+87  
BORING NO. B-3  
Station 689+48  
Offset 38 ft LL  
Ground Surface Elev. 475.9 ft (ft) (6") (tsf) (%)

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	O	O	Stream Bed Elev.	E	L	O	O
P	L	P	I		P	L	P	I
T	W	O	S	Groundwater Elev.:	T	W	O	S
H	S	H	S	First Encounter	H	S	H	S
Qu	T	Qu	T	Upon Completion	Qu	T	Qu	T
3			23	459.3				
4				459.3				
7				468.9				
4	0.8		18					16
5	S/10							
1	0.4		21					
1	B			448.9				
WH	<0.25		24					11
1	P							
WH	0.5		20					14
2	P							
2	0.5		29					
2	B							
WH	0.5		25					
WH	B							
WH	0.8		24					14
2	B							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer) AASHTO Classifications are based on visual classifications unless otherwise noted BBS, form 137 (Rev. 8-99)



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E	L	O	O	Stream Bed Elev.	E	L	O	O
P	L	P	I		P	L	P	I
T	W	O	S	Groundwater Elev.:	T	W	O	S
H	S	H	S	First Encounter	H	S	H	S
Qu	T	Qu	T	Upon Completion	Qu	T	Qu	T
				468.8				
9	3.8		14					35
19	3.8		14					
29	B							
9				409.4				20
11	3.0		17					15
15	B							
7				403.4				17
11	3.0		17					
15	B							
5	2.4		24					
7	B							
9	B							
3								
5	3.1		18					
7	B							

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Date 10/09/08

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SECTION 25BR-1 LOCATION Approx. 1.5 miles south of Vernon: NE 1/4, SEC. 21, TWP. 4N, RNG. 1E

COUNTY Marion DRILLING METHOD CME 750 w/HSA HAMMER TYPE Automatic

STRUCT. NO. 061-0002 (existing)  
Station 687+87  
BORING NO. B-4  
Station 689+03  
Offset 16 ft RL  
Ground Surface Elev. 481.1 ft (ft) (6") (tsf) (%)

D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	O	O	Stream Bed Elev.	E	L	O	O
P	L	P	I		P	L	P	I
T	W	O	S	Groundwater Elev.:	T	W	O	S
H	S	H	S	First Encounter	H	S	H	S
Qu	T	Qu	T	Upon Completion	Qu	T	Qu	T
5	0.9		26					25
2	B							
WH	1.0		26					19
1	B							
WH	0.3		26					22
2	P							
WH	<0.25		25					16
WH	P							
2	0.6		23					
2	B							
WH	0.5		18					18
2	B							
WH			17					
2								
1	0.5		20					14
2	S/15							

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Offset 16 ft RL  
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D	B	U	M	Surface Water Elev.	D	B	U	M
E	L	O	O	Stream Bed Elev.	E	L	O	O
P	L	P	I		P	L	P	I
T	W	O	S	Groundwater Elev.:	T	W	O	S
H	S	H	S	First Encounter	H	S	H	S
Qu	T	Qu	T	Upon Completion	Qu	T	Qu	T
3			16					5
6	1.9		16					8
7	B							4.3
4								1.8
5	2.2		17					15
8	B							43
4								
6	2.3		18					
9	B							
WH	0.5		25					11
WH	B							
WH	0.8		24					17
2	B							
WH	2.6		14					17
9	2.6		18					
10	B							

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DESIGNED	
CHECKED	
DRAWN	W.J.S.
CHECKED	C.J.F. & B.B.

SOIL BORINGS-2  
STRUCTURE NUMBER 061-0094

SHEET NO. 23 23 SHEETS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	322	25BR-1	MARION	63	46
SN 061-0094			CONTRACT NO. 76A83		
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT 322					

**BERNARDIN LOCHMUELLER & ASSOCIATES, INC.**  
8 Oak Drive  
Maryville, IL 62868-5635  
Local: (618) 288-4665  
Fax: 618-288-4666

7/3/2003 AM 9/30/2009 \_\jpm\0610094\76A83\023.dgn