

# SB-119

SOIL BORING LOG										PAGE 1 of 4	
ROUTE 170/IL3 DESCRIPTION I-70/Relocated IL 3 Interchange IDOT Job No. D-98-059-08										DATE 5/8-12/2009	
SECTION 82-2-1HVB-1 LOCATION I-70 & Illinois Route 3										LOGGED BY DR	
COUNTY St. Clair DRILLING METHOD 3.25" Hollow Stem Auger HAMMER TYPE CME Automatic										GSI JOB No. 08201	
STRUCT. NO. 082-0328										Surface Water Elev. n/a	
Station: --										Stream Bed Elev. n/a	
BORING NO. SB-119										Groundwater Elevation:	
Station: 1682+57										First Encounter n/a	
Offset: 46.0' Left										Upon Completion n/a	
Ground Surface Elev. 416.0										After 24 Hrs. n/a	
DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)
CINDERS & SAND-black-loose (Fill)											
4				2							
5				3							
5	NP	20		3	NP	28					
SAND-brown-loose to dense (A-3)											
1				3							
2				5							
1	NP	12		4	NP	24					
SAND-brown-very loose to loose (A-3)											
1				6							
1	NP	8		6	NP	23					
2				21							
2	NP	12		23	NP	21					
SILTY LOAM-brown-very loose (A-4)											
1				13							
0				15							
1	NP	27		10	NP	21					
SAND-brown-very loose to loose (A-3)											
1				3							
4				2							
4	0.89	38		4	NP	30					
SAND-brown-loose to dense (A-3)											
3				3							
2				3							
3	NP	27		6	NP	29					

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Ground Surface Elev. 416.0										After 24 Hrs. n/a	
DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)
SANDY LOAM to SAND-brown-loose to medium dense (A-2/A-3)											
4				4							
5				5							
5	NP	25		6	NP	26					
SANDY LOAM to SAND-gray-loose to medium dense (A-2/A-3)											
3				4							
4				4							
3	NP	29		5	NP	29					
SAND-brown-very loose to loose (A-3)											
3				3							
5				2							
6	NP	30		5	NP	34					
SAND-brown-medium dense (A-3)											
6				5							
7				6							
7	NP	25		9	NP	24					
SAND-brown-medium dense (A-3)											
5				8							
7				7							
6	NP	26		10	NP	21					
SAND with Gravel-brown & gray-medium dense (A-1-b)											
4				8							
3				11							
4	NP	28		13	NP	15					
SANDY LOAM to SAND-gray-loose to medium dense (A-2/A-3)											
4				4							
4				4							
4	NP	28		7							
SAND-brown-medium dense (A-3)											
4				7							
4				10							
6	NP	28		8	NP	20					

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BORING NO. SB-119										Groundwater Elevation:	
Station: 1682+57										First Encounter n/a	
Offset: 46.0' Left										Upon Completion n/a	
Ground Surface Elev. 416.0										After 24 Hrs. n/a	
DEPTH (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)	DEPT (ft)	BULGE (ft)	UCS (tsf)	MOIST (%)
SAND-brown-medium dense (A-3) 335.5											
9				15							
7				23							
6	NP	15		26	NP	13					
SAND with Gravel-brown & gray-medium dense (A-1-b)											
7				11							
11				9							
10	NP	16		14	NP	9					
Trace organics from -83.5' to -85.0'											
16				310.5							
10											
7	NP	12									
Drillers Observation: Cobbles & Boulders from -105.5' to -108.5'											
5				307.5							
8				50/5"							
8	NP	12		110	NP	13					
SAND-brown & gray-very dense (A-3)											
8				42							
8				50/5"							
8	NP	13									
SAND-brown-medium dense (A-3)											
8				303.0							
8											
8	NP	13									
Drillers Observation: Apparent bedrock 302.0											
9				115							
9	NP	16									
RUN 1 (-114.0' to -124.0') Mississippi System, Volmeyeran Series Limestone											
6											
7											
9	NP	16									
Light gray & fine grained with horizontal bedding. Highly fractured to -115.8'. Horizontal fractures @ -116.2', -116.6', -117.1', -117.6', -118.2', -118.6' & -118.8'. Vertical fracture from -119.2' to -120.0'. Horizontal fractures @ -120.1', -121.5', -122.1', -122.3', -123.2' & -123.4'.											
7											
7											
11	NP	15									
SAND with Gravel-brown & gray-medium dense to dense (A-1-b)											
7											
7											
11	NP	15									

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 5-11-2011 9:54:22 REVISIONS: 08/15/2011 CADYBI DESIGN/0820328 SHEET 0820328 CONN. 18 082-SHT-MS-DDN